STR-DB925

SERVICE MANUAL

AEP Model
UK Model
Australian Model



Photo: BLACK

This receiver incorporates the Dolby* Pro Logic Surround system and the DTS** Digital Surround System.

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SPECIFICATIONS

Amplifier section

POWER OUTPUT

Stereo mode (4 ohms DIN 1 kHz)
100 W + 100 W

Surround mode
(4 ohms DIN 1 kHz)
Front: 100 W + 100 W
Center[a]: 100W
Rear[a]: 100 W + 100 W

a) Depending on the sound field settings and the source, there may be no sound output.

Frequency response
PHONO:
RIAA equalization curve
±0.5 dB
CD, TAPE, MD/DAT, DVD, TV/LD, VIDEO 1, 2, and VIDEO 3:
10 Hz - 50 kHz
+0.5/–2 dB (with sound field, tone, and bass booster bypassed)

Inputs (Analog)
PHONO:
Sensitivity: 2.5 mV
Impedance: 50 kilohms
S/N[b]: 75 dB (A, 2.5 mV[c])
CD, DVD, TAPE, MD/DAT, TV/LD, VIDEO 1, 2, 3, and 5.1 INPUT:
Sensitivity: 150 mV
Impedance: 50 kilohms
S/N[b]: 82 dB (A, 150 mV[c])

b) 78' IHF
c) Weighted network, input level

Inputs (Digital)
DVD (coaxial):
Sensitivity: –
Impedance: 75 ohms
S/N: 100 dB (A, 20 kHz LPF)
DVD, TV/LD, MD/DAT (Optical):
Sensitivity: –
Impedance: –
S/N: 100 dB (A, 20 kHz LPF)

Outputs
TAPE, MD/DAT (REC OUT); VIDEO 1, 2 (AUDIO OUT):
Voltage: 150 mV,
Impedance: 10 kilohms
WOOFER:
Voltage: 2 V
Impedance: 1 kilohms
PHONES:
Accepts low- and high-impedance headphones

BASS BOOST +6 dB at 70 Hz

— Continued on next page —

FM STEREO/FM-AM RECEIVER

MICROFILM

SONY®

Sampling Frequency
48 kHz

EQ
BASS:
100 Hz~1.0kHz
(21 steps)
MID:
500 Hz~5.0kHz
(21 steps)
TREBLE:
1.0 kHz~10kHz
(21 steps)
Gain levels:
±10 dB, 1 dB step

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals
75 ohms, unbalanced

Sensitivity Mono: 18.3 dBf,
2.2 μV/75 ohms
Stereo: 38.3 dBf,
22.5 μV/75 ohms

Usable sensitivity
11.2 dBf,
1 μV/75 ohms (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz
Mono: 0.3%
Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequency response
30 Hz - 15 kHz
+0.5/–2 dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range 531 - 1,602 kHz
(with 9-kHz tuning scale)

Antenna Loop antenna

Usable sensitivity
50 dB/m (at 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion
0.5 % (50 mV/m, 400 kHz)

Selectivity 35 dB

Video section

Inputs 1 Vp-p 75 ohms

Outputs 1 Vp-p 75 ohms

General

System Tuner section:
PLL quartz-locked digital synthesizer system
Preamplifier section:
Low-noise NF type equalizer
Power amplifier section:
Pure-complementary SEPP

Power requirements
230 V AC, 50/60 Hz

Power consumption
270 W

AC outlets 1 switched maximum 100 W

Dimensions 430 × 160 × 410 mm
including projecting parts and controls

Mass (Approx.)
13 kg

Supplied accessories
- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander RM-LJ301 (remote) (1)
- LR6 (size-AA) alkaline batteries (3)

Design and specifications are subject to change without notice.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

SECTION 1
SERVICING NOTE

FACTORY SET
Mode which sets the preset settings of the unit to that at shipment.

Procedure:
With the power off, press the [I/⏻] button while pressing the [SET UP] and [SOUND FIELD ON/OFF] buttons to turn ON the power. "FACTORY SET" will be displayed and FACTORY PRESET will be executed.
As the "DEMO MODE" will automatically be set about 1 minute later, press the [I/⏻] button to turn OFF the power.

INITIALIZATION
This mode erases all the preset settings of the unit.
Use this mode when returning the unit to custimer.

Procedure:
With the power off, press the [I/⏻] button while pressing the [DISPLAY] and [SOUND FIELD ON/OFF] buttons to turn ON the power.
As the "DEMO MODE" will automatically be set about 1 minute later, press the [I/⏻] button to turn OFF the power.

FLUORESCENT INDICATOR TUBE AND LED LIGHTING CHECK
Mode which lights up the whole fluorescent indicator tube or partially.

Procedure:
With the power off, press the [I/⏻] button while pressing the [SET UP] and [SOUND FIELD MODE] buttons to turn ON the power. The whole fluorescent display tube will light up.
As the "DEMO MODE" will automatically be set about 1 minute later, press the [I/⏻] button to turn OFF the power.

DEMO MODE (NOT USED IN SERVICE)
Mode for demonstration

Procedure:
With the power off, press the [I/⏻] button while pressing the [CURSOR] button to turn ON the power.
To end, press the [I/⏻] button to turn OFF the power.

PRECAUTIONS ON REMOVING THE FRONT PANEL
When the front panel is removed, the front panel board and VOLUME board cannot be connected, thus causing the following problems.
• The MASTER VOLUME LED does not light up
• The MASTER VOLUME cannot be turned UP/DOWN using the remote controller.

DSP SELF DIAGNOSIS FUNCTION

This unit is equipped with a DSP self-diagnosis function.
After completing self-diagnosis, the “DSP TEST MODE” can be set, where signals input from the external equipment will be assigned to the designated channels as shown in the table below.

Table-1 Assignment of Signals in DSP TEST MODE

Input Signal	Output To
FRONT L-ch	FRONT L-ch + CENTER + REAR L-ch
FRONT R-ch	FRONT R-ch + WOOFER + REAR R-ch

Procedure:

1. Connect external equipment such as CD and DVD players using the DIGITAL cable (optical or coaxial).
2. Rotate the [FUNCTION] knob, and switch to the FUNCTION connecting the external equipment.
3. Press the [INPUT MODE] button, and select the type of DIGITAL signal connected at 1.
   (“AUTO INPUT” is recommended for convenience.)
4. Press the [I/⏻] button to turn OFF the power.
5. Press the [I/⏻] button while pressing the [SET UP] and [SOUND FIELD GENRE] buttons to turn ON the power.
6. Perform DSP check in the following sequence to display the results. If no problems, “DSP NO ERROR” will be displayed on the fluorescent indicator tube, and the reference signals of the 1 KHz internal oscillation will be output to FRONT, REAR, CENTER, and WOOFER.

Sequence :

① DSP1 BOOT ERROR CHECK (DSP1:IC1301)
↓
② DSP1 REPLAY ERROR CHECK
↓
③ DSP2 RAM ERROR CHECK (DSP2:IC1402 RAM:IC1402)
↓
④ DSP2 REPLAY ERROR CHECK

Refer to Table 2 if errors occur and perform the repairs.

Table-2 Display of Errors and Main Causes

Error Message	Possible Cause and Countermeasure
DSP1 BOOT ERROR	Faulty connection of IC1301, fault around the power supply of IC1301
DSP1 REPLY ERROR	Fault of peripheral circuit of Pin ⑳ of IC1301
DSP2 RAM ERROR	Faulty connection with RAM (IC1402)
DSP2 REPLY ERROR	Faulty communication with microprocessor, fault of peripheral circuit of Pin ⑬ of IC1401, fault around power supply and clock of IC1401

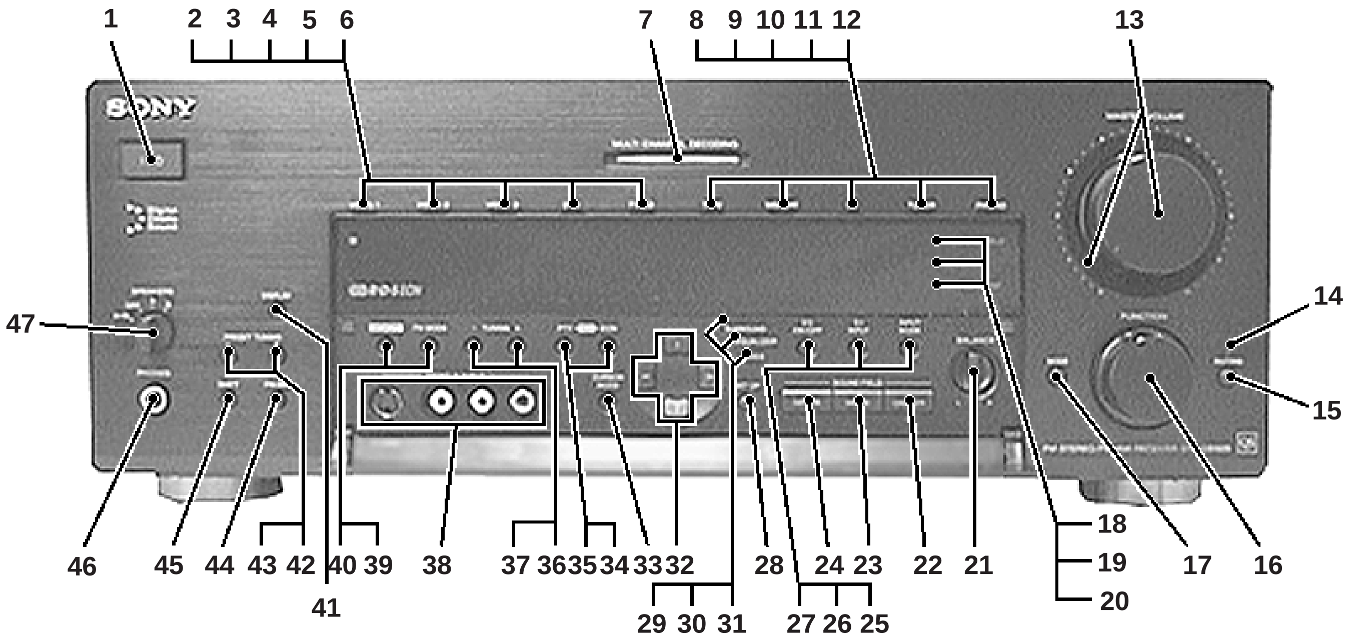
7. Each time the [<], [∧], [∨], or [>] button is pressed, the display changes between “DSP TEST MODE” and “DSP NO ERROR”.
   When “DSP TEST MODE” is displayed, the signals input from the external equipment connected at 1. will be assigned to the outputs as shown in Table 1.
   When “DSP NO ERROR” is displayed, the reference signal of the internal oscillation will be output to the FRONT, REAR, CENTER, and WOOFER channels.
   (Each time the [<], [∧], [∨], or [>] button is pressed, self-diagnosis will be executed from ③ of step 6.

8. To end, press the [I/⏻] button and turn OFF the power.

Note:
Do not touch other buttons except [<], [∧], [∨], or [>] during this mode with a specific purpose.
Messages are displayed in the same way as in normal operations.
Operations itself will not be normal here, therefore if other buttons or knobs are touched by accident and the message is changed, press the [I/⏻] button to turn OFF the power and exit the mode.

SECTION 2
GENERAL

Front Panel Descriptions

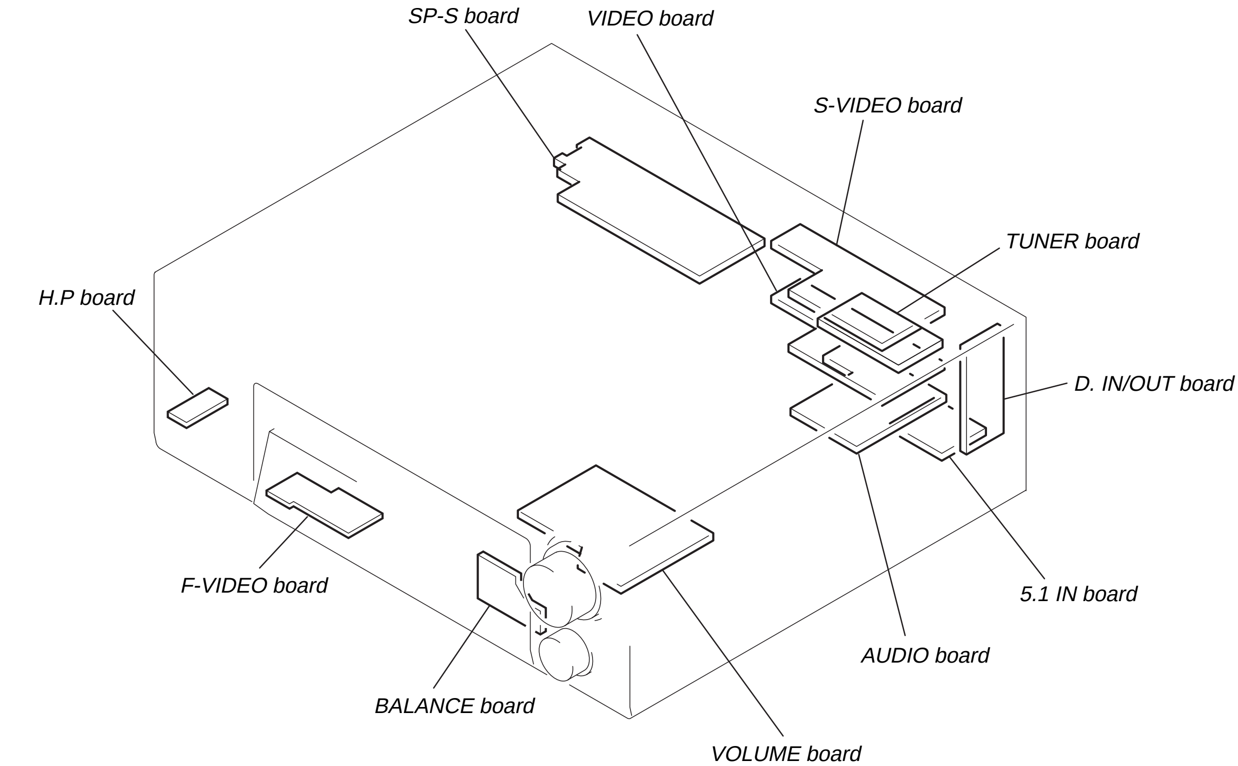


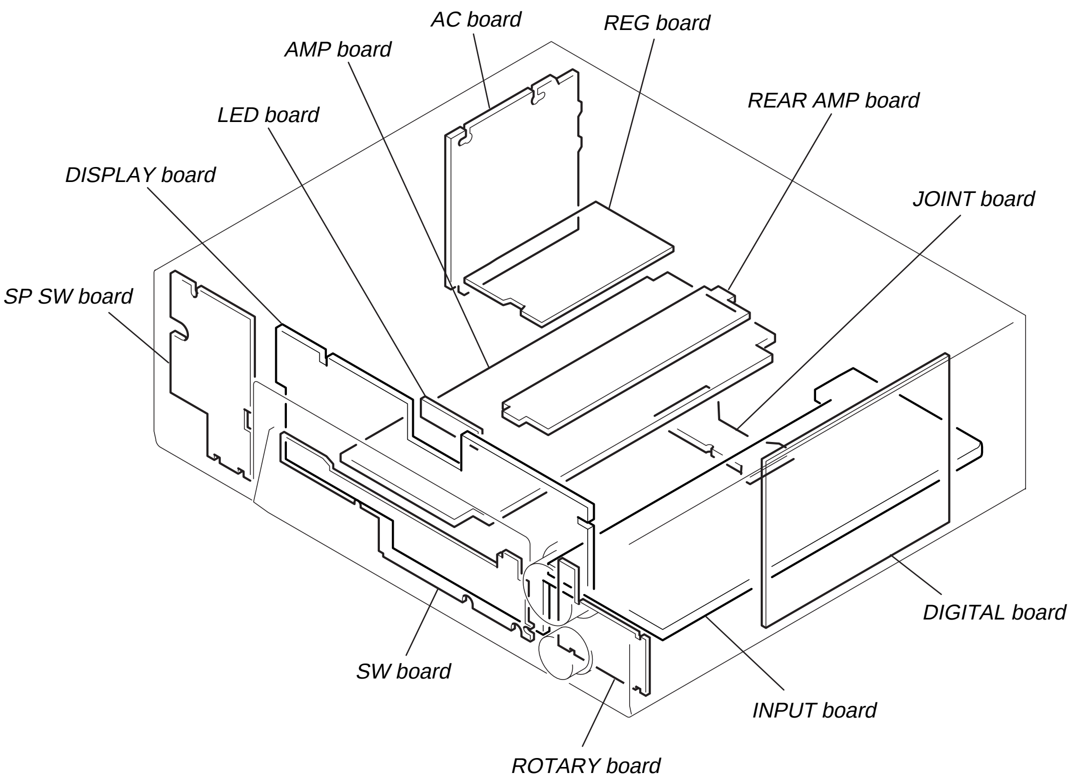
LOCATION OF PARTS AND CONTROLS

1 I/⏻ (power) switch
2 VIDEO 1 indicator
3 VIDEO 2 indicator
4 VIDEO 3 indicator
5 DVD indicator
6 TV/LD indicator
7 MULTI CHANNEL DECODING indicator
8 TAPE indicator
9 MD/DAT indicator
10 CD indicator
11 TUNER indicator
12 PHONO indicator
13 MASTER VOLUME knob and indicator
14 MUTING indicator
15 MUTING button
16 FUNCTION knob
17 MODE switch
18 SOUND FIELD indicator
19 EQ indicator
20 BASS BOOST button
21 BALANCE knob
22 SOUND FIELD ON/OFF button
23 SOUND FIELD MODE button
24 SOUND FIELD GENRE button
25 INPUT MODE button
26 5.1 INPUT button
27 EQ ON/OFF button
28 SET UP button
29 SURROUND indicator
30 EQUALIZER indicator
31 INDEX indicator
32 <, ∧, ∨, > buttons
33 SET UP button
34 RDS EON button
35 RDS PTY button
36 TUNING + button
37 TUNING – button
38 VIDEO 3INPUT jacks
39 FM MODE button
40 MEMORY button
41 DISPLAY button
42 PRESET TUNING + button
43 PRESET TUNING – button
44 FM/AM button
45 SHIFT button
46 PHONES jack
47 SPEAKERS knob

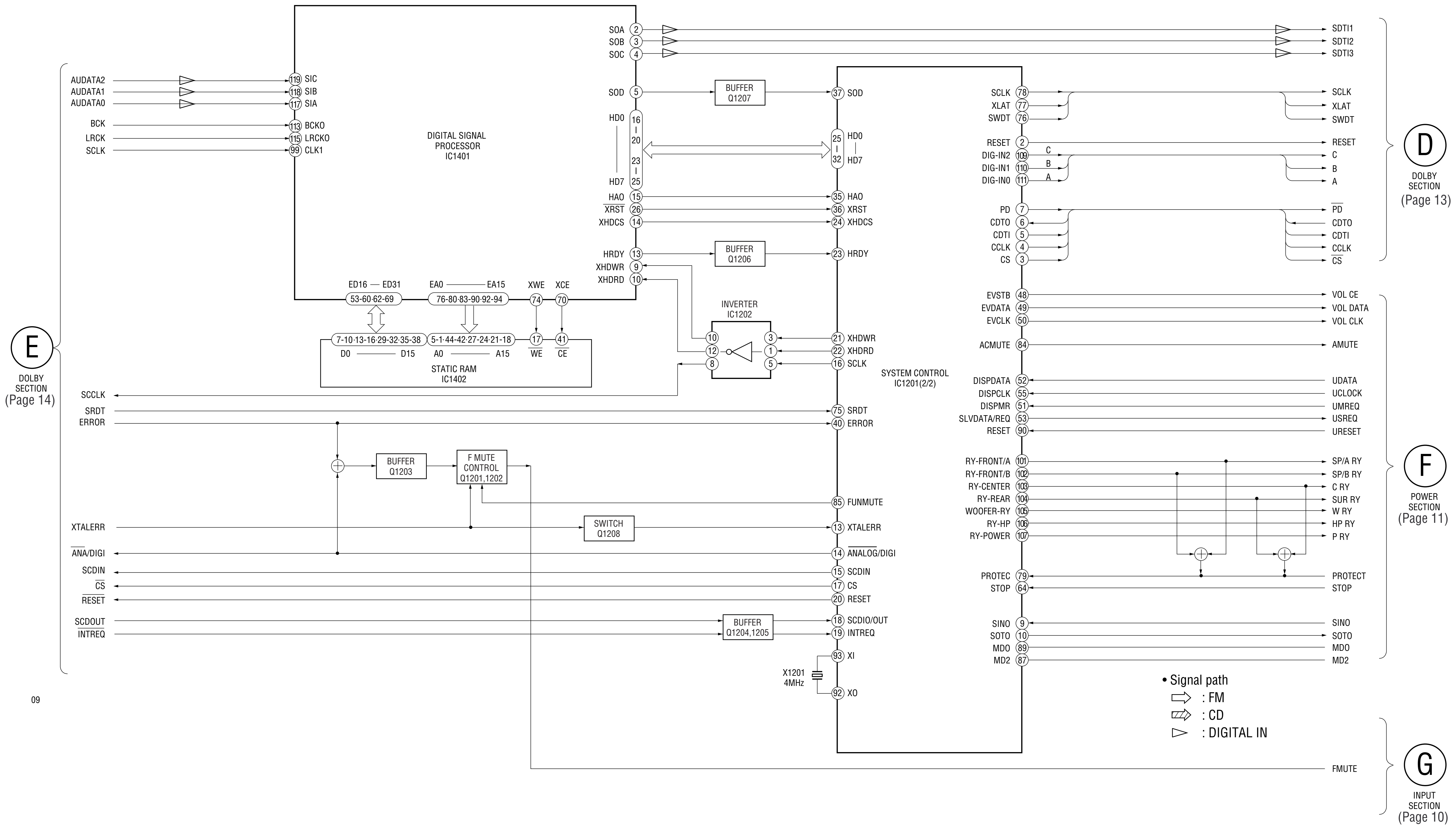
SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

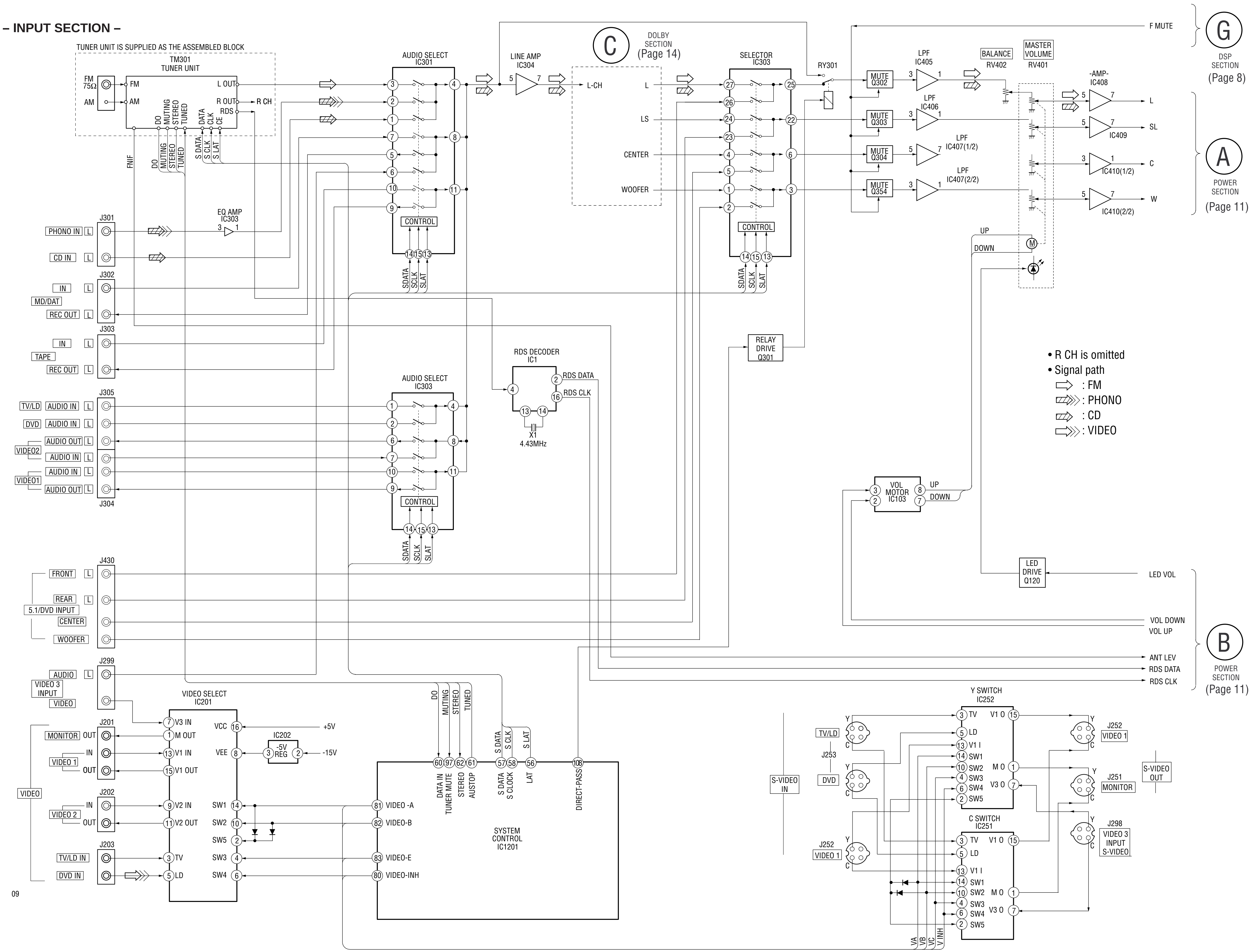




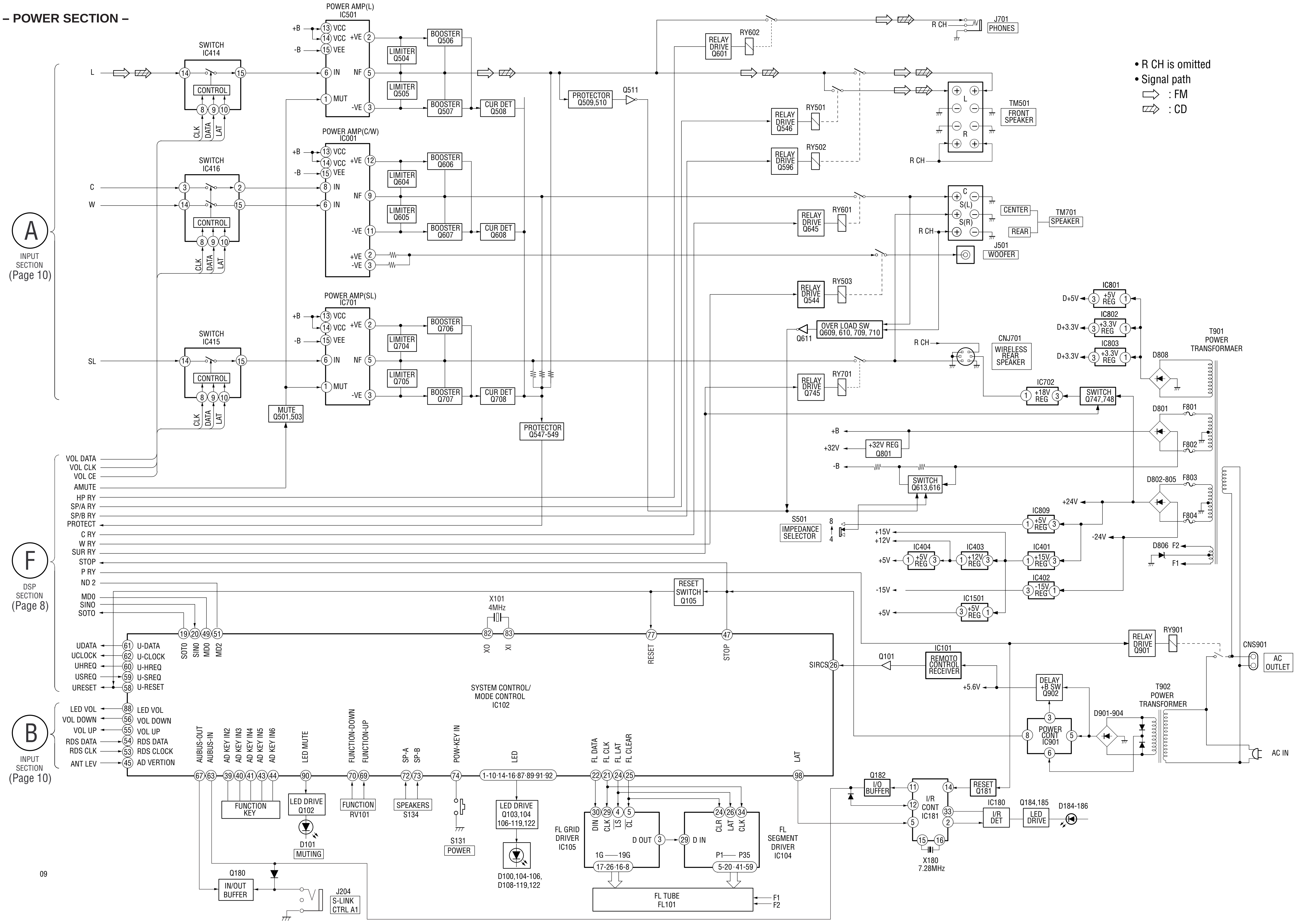
3-2. BLOCK DIAGRAMS
– DSP SECTION –



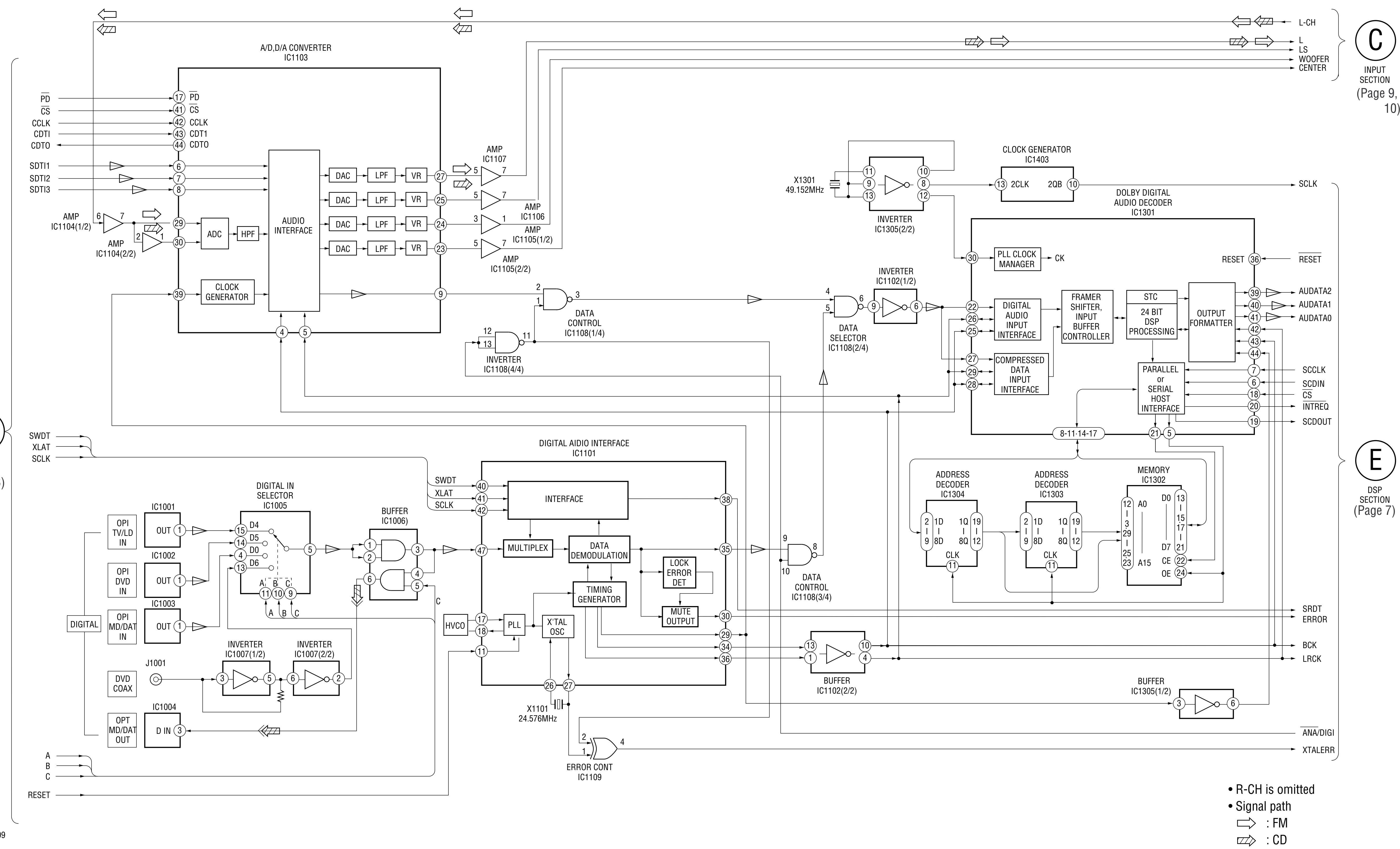
– INPUT SECTION –



– POWER SECTION –



– DOLBY SECTION –



• R-CH is omitted
• Signal path
: FM
: CD
: DIGITAL IN
: DIGITAL OUT

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

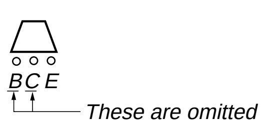
- B+ : B+ Line.
- B– : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : AUDIO
  : VIDEO
  : SURROUND
  : PB (TAPE)
  : REC (TAPE)
  : Y
  : CHROMA
  : CD
  : PHONO
  : PB (MD/DAT)
  : REC (MD/DAT)
  : DIGITAL OUT
  : DIGITAL IN

For printed wiring boards.

Note:

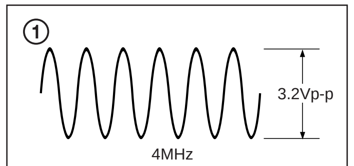
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- △ : internal component.
- : Pattern from the side which enables seeing.

- **Indication of transistor**

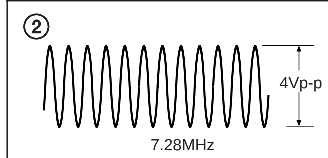


WAVEFORMS

– DISPLAY SECTION –

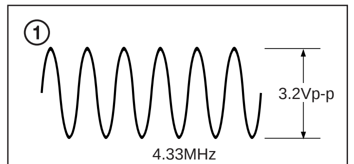


IC102 (82) XO



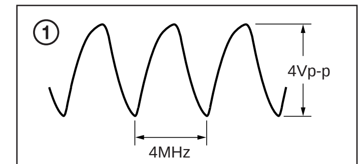
IC103 ⑪ X2

– TUNER SECTION –

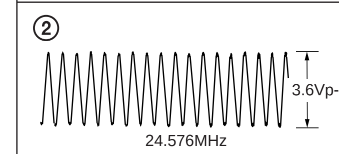


IC1 ⑬

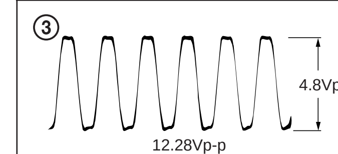
– DIGITAL SECTION –



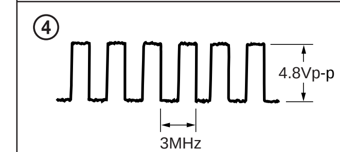
IC1201 (92) XO



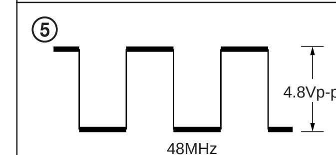
IC1101 ㉗ X OUT



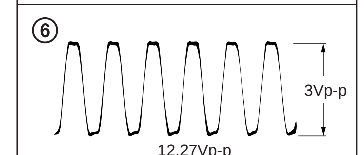
IC1101 ㉙ CLK OUT



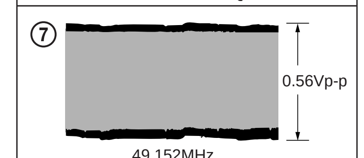
IC1101 ㉞ BCK



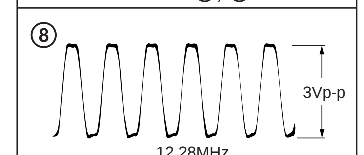
IC1101 ㊱ LRCK



IC1403 ⑩ 2QB



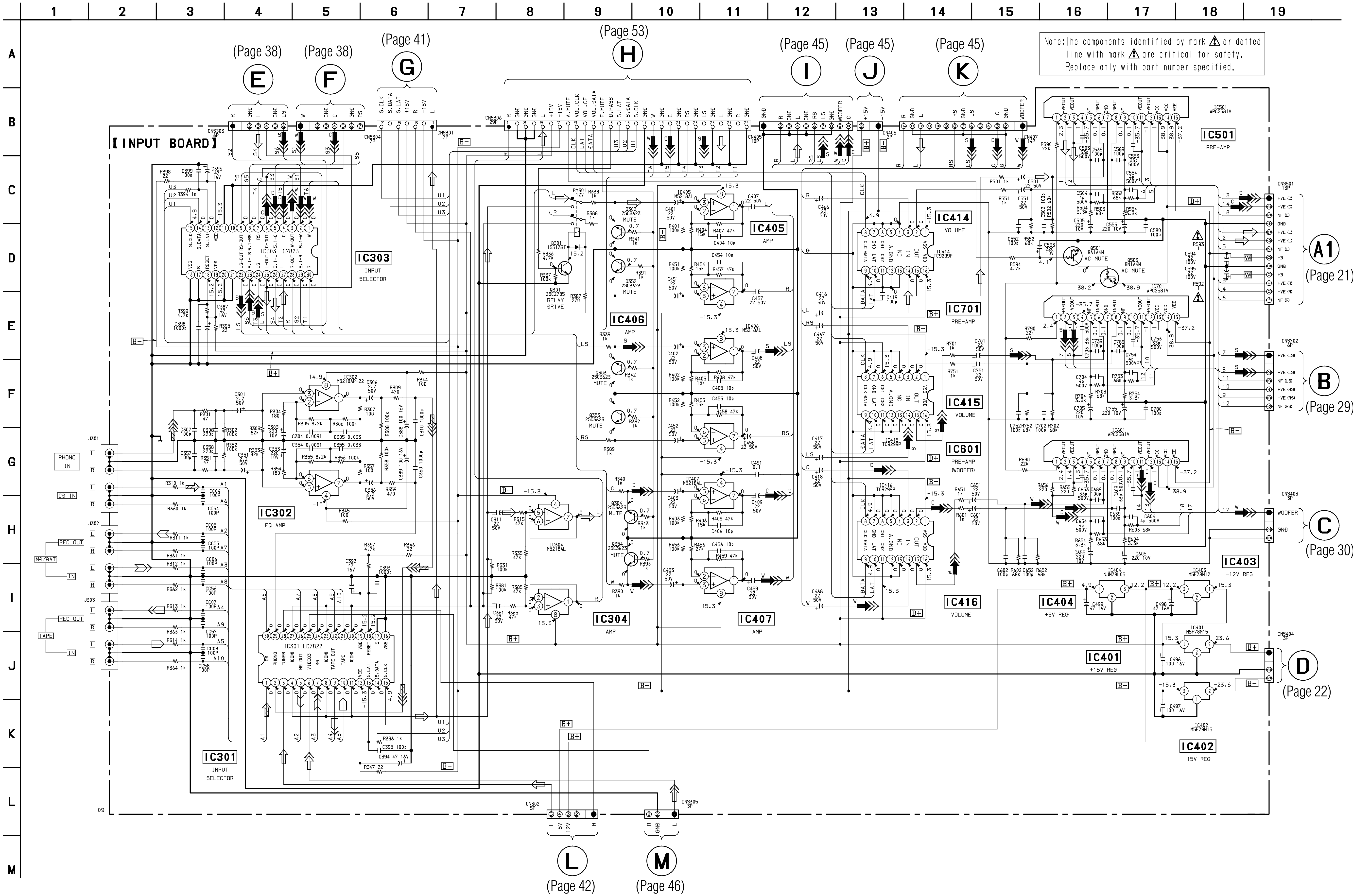
IC1305 ⑪, ⑫



IC1305 ⑥

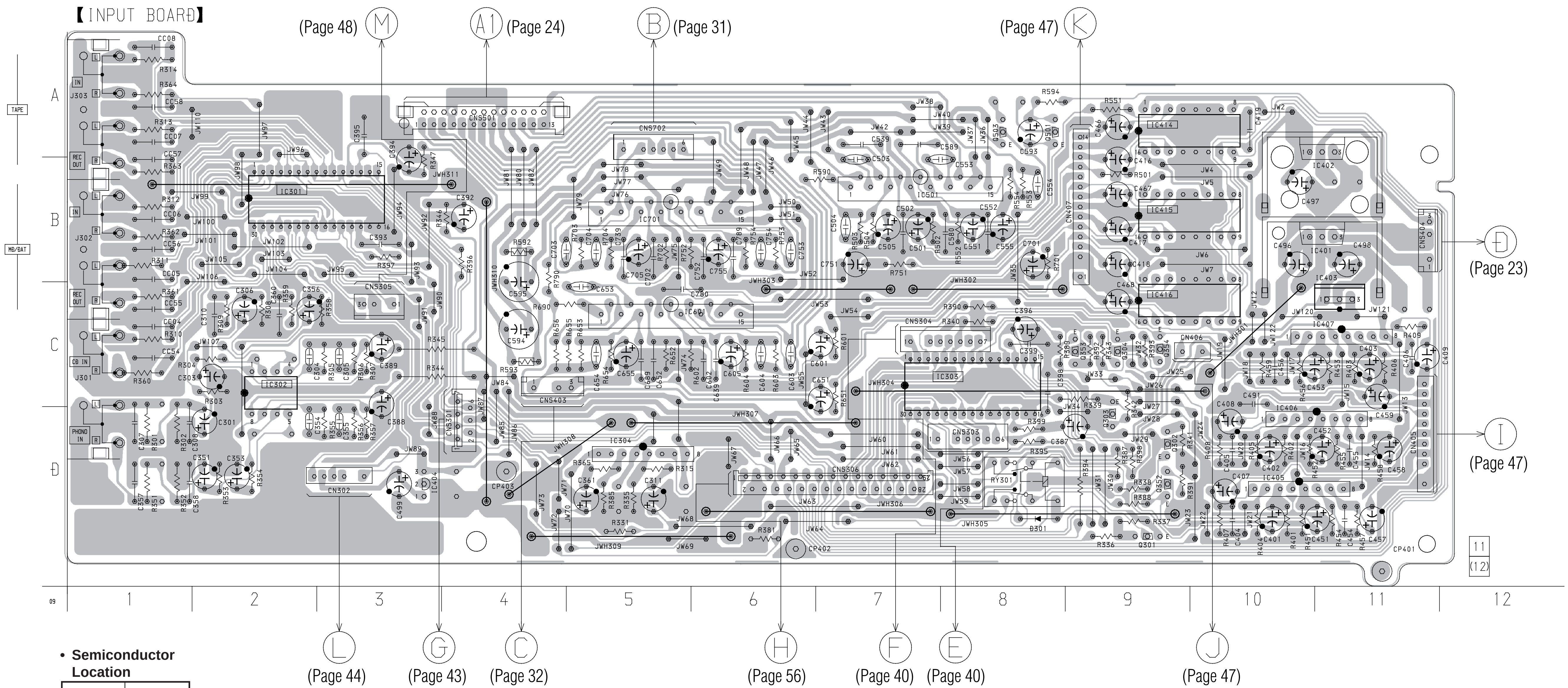
3-3. SCHEMATIC DIAGRAM – INPUT SECTION –

• See page 58 for IC Block Diagrams.



3-4. PRINTED WIRING BOARD – INPUT SECTION –

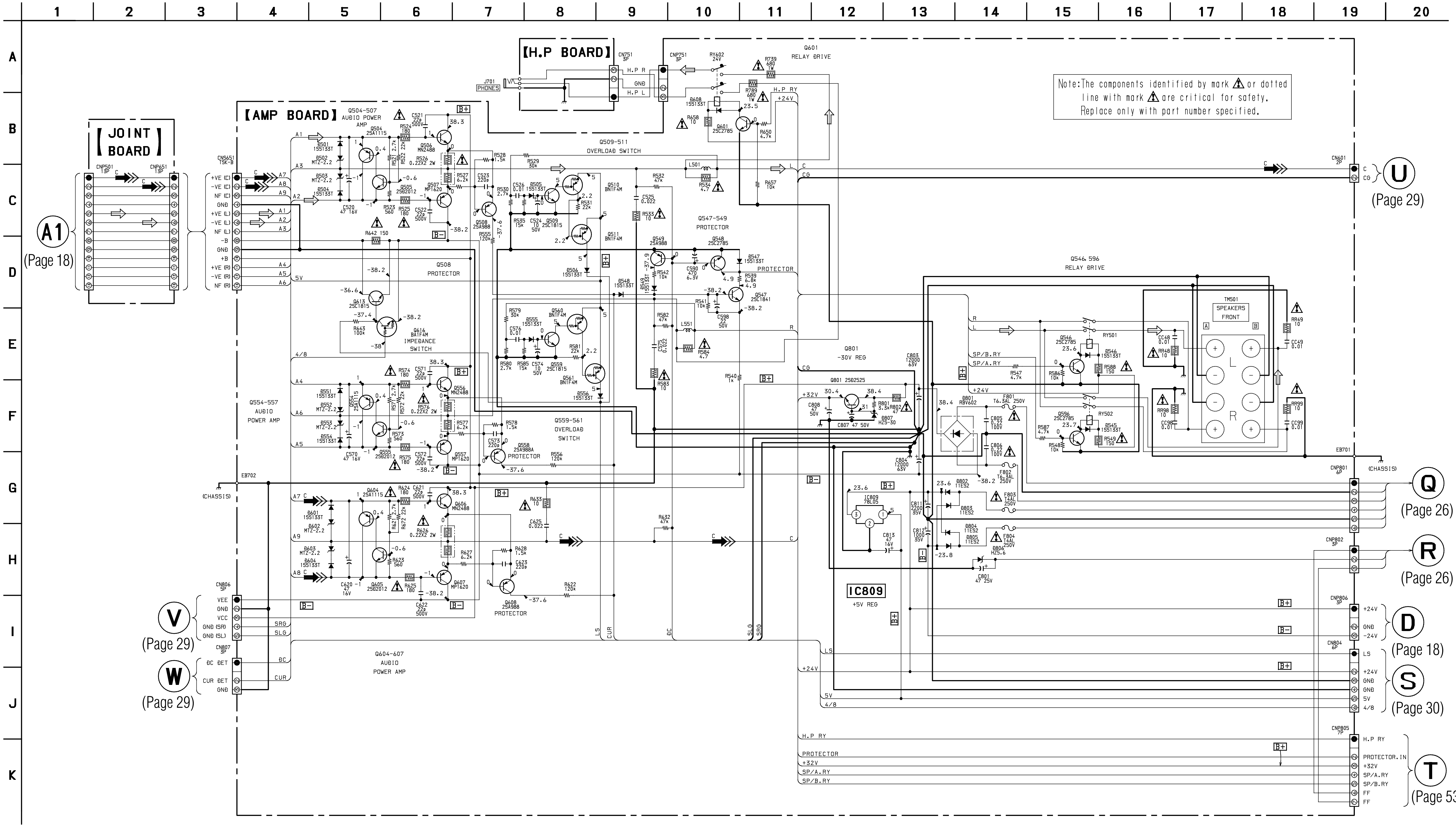
• See page 6 for Circuit Boards Location.



• **Semiconductor Location**

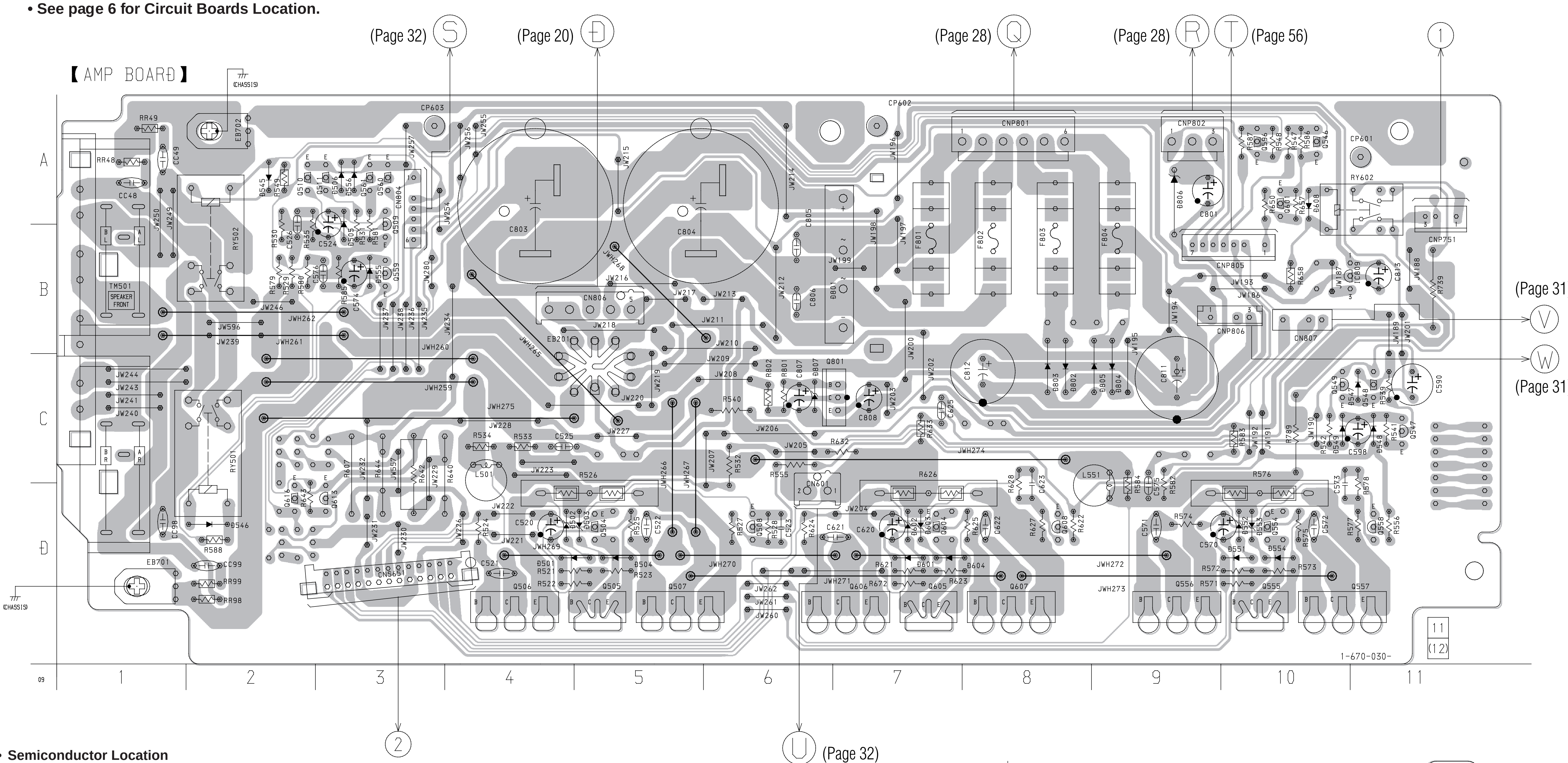
Ref. No.	Location
D301	D-8
IC301	B-2
IC302	C-2
IC303	C-8
IC304	D-5
IC401	B-11
IC402	B-11
IC403	C-11
IC404	D-3
IC405	D-10
IC406	D-10
IC407	C-11
IC414	A-9
IC415	B-9
IC416	C-9
IC501	B-7
IC601	C-5
IC701	B-5
Q301	E-9
Q302	D-9
Q303	D-9
Q304	C-9
Q352	D-9
Q353	C-9
Q354	C-9
Q501	A-8
Q503	A-8

3-5. SCHEMATIC DIAGRAM – POWER AMP SECTION –



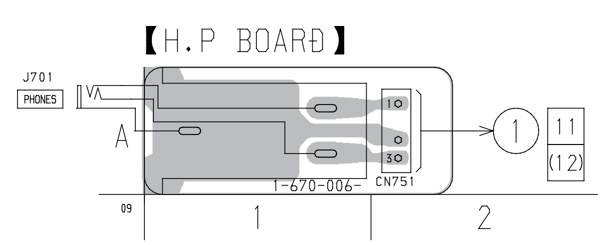
3-6. PRINTED WIRING BOARD – POWER AMP SECTION –

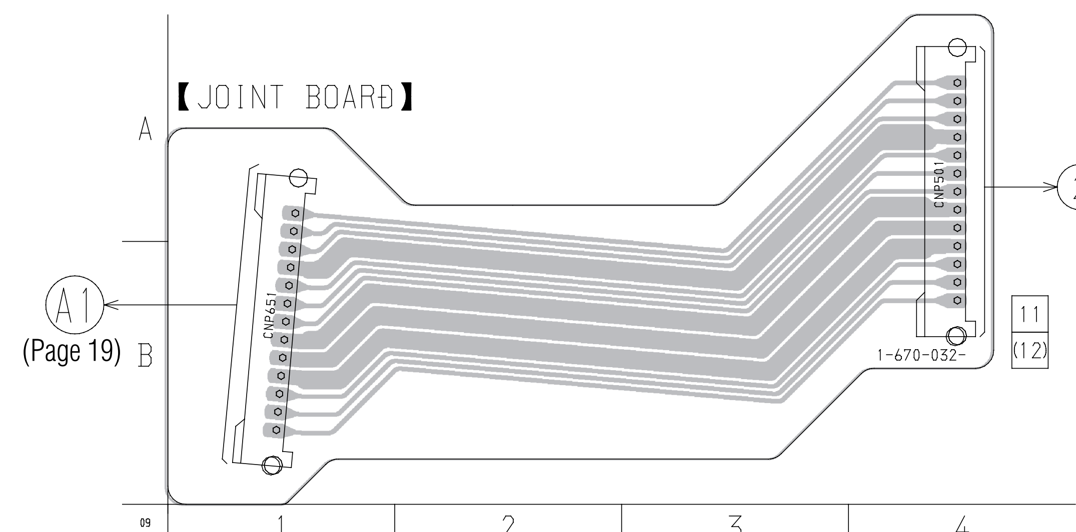
• See page 6 for Circuit Boards Location.



• **Semiconductor Location**

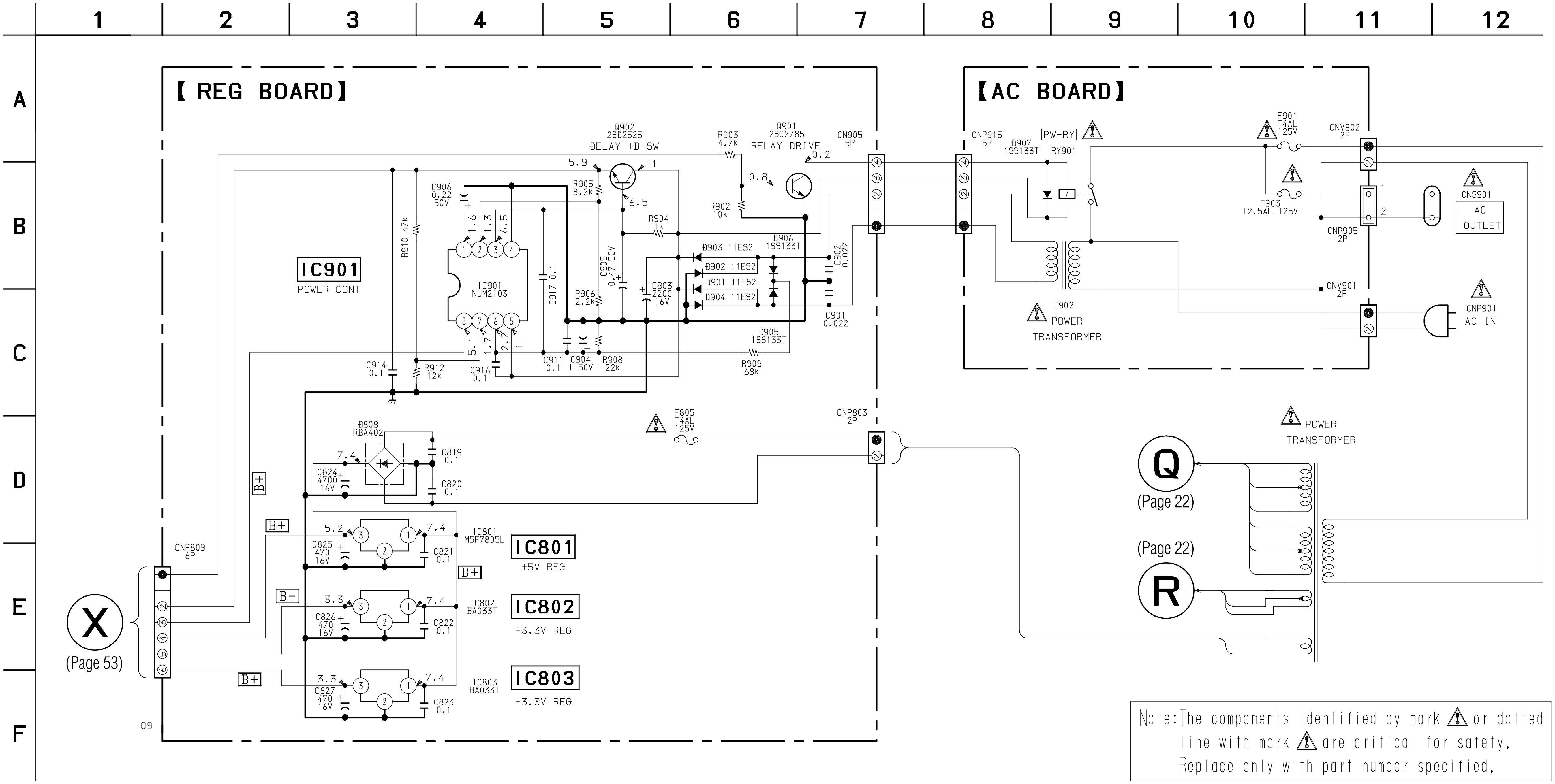
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D501	D-4	D608	A-10	Q548	C-11
D502	D-4	D801	B-7	Q549	C-10
D503	D-5	D802	C-8	Q554	D-10
D504	D-5	D803	C-8	Q555	D-10
D505	A-3	D804	C-9	Q556	D-9
D506	A-3	D805	C-9	Q557	D-10
D545	A-2	D806	A-9	Q558	D-11
D546	D-2	D807	C-6	Q559	B-3
D547	C-11			Q560	A-3
D548	C-11	IC809	B-10	Q561	A-3
D549	C-10			Q596	A-10
D551	D-10	Q504	D-5	Q601	A-10
D552	D-10	Q505	D-5	Q604	D-7
D553	D-10	Q506	D-4	Q605	D-7
D554	D-10	Q507	D-5	Q606	D-7
D555	B-3	Q508	D-6	Q607	D-8
D556	A-3	Q509	A-3	Q608	D-8
D601	D-7	Q510	A-2	Q613	D-3
D602	D-7	Q511	A-3	Q616	D-2
D603	D-7	Q546	A-10	Q801	C-7
D604	D-7	Q547	C-11		





3-7. SCHEMATIC DIAGRAM – TRANS SECTION –

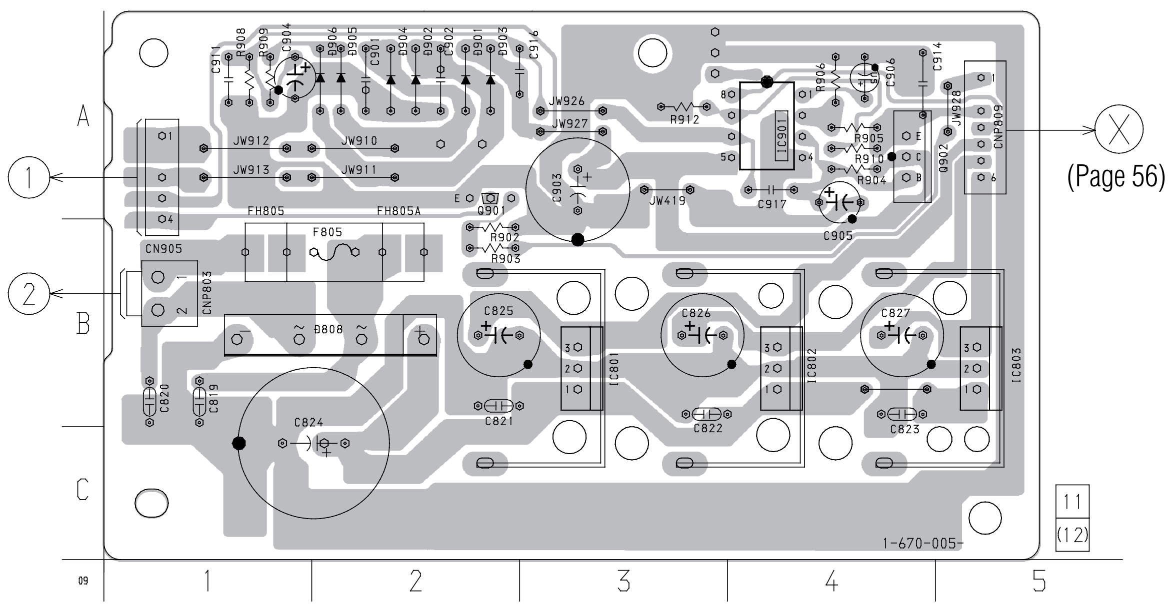
• See page 58 for IC Block Diagrams.



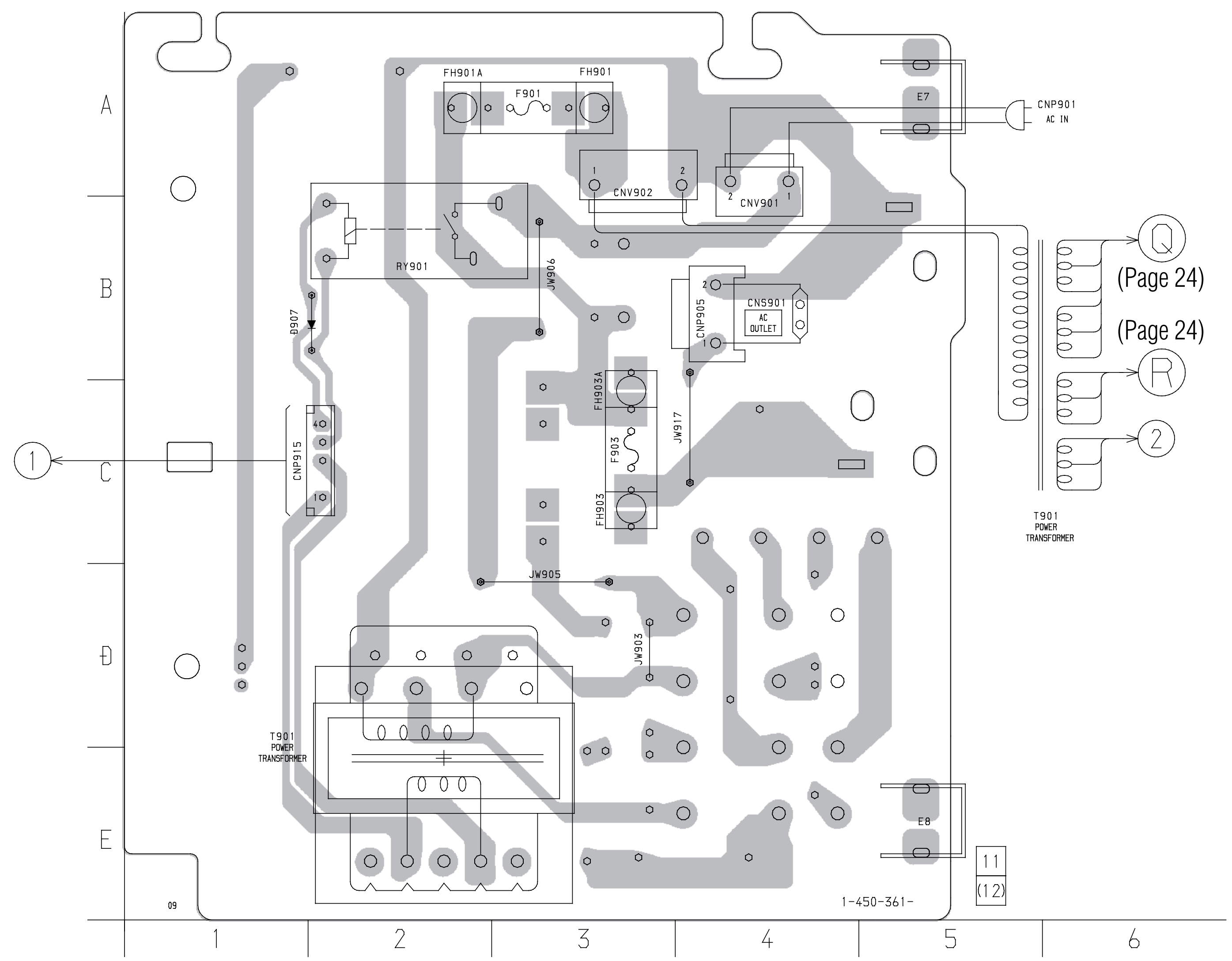
3-8. PRINTED WIRING BOARD – TRANS SECTION –

• See page 6 for Circuit Boards Location.

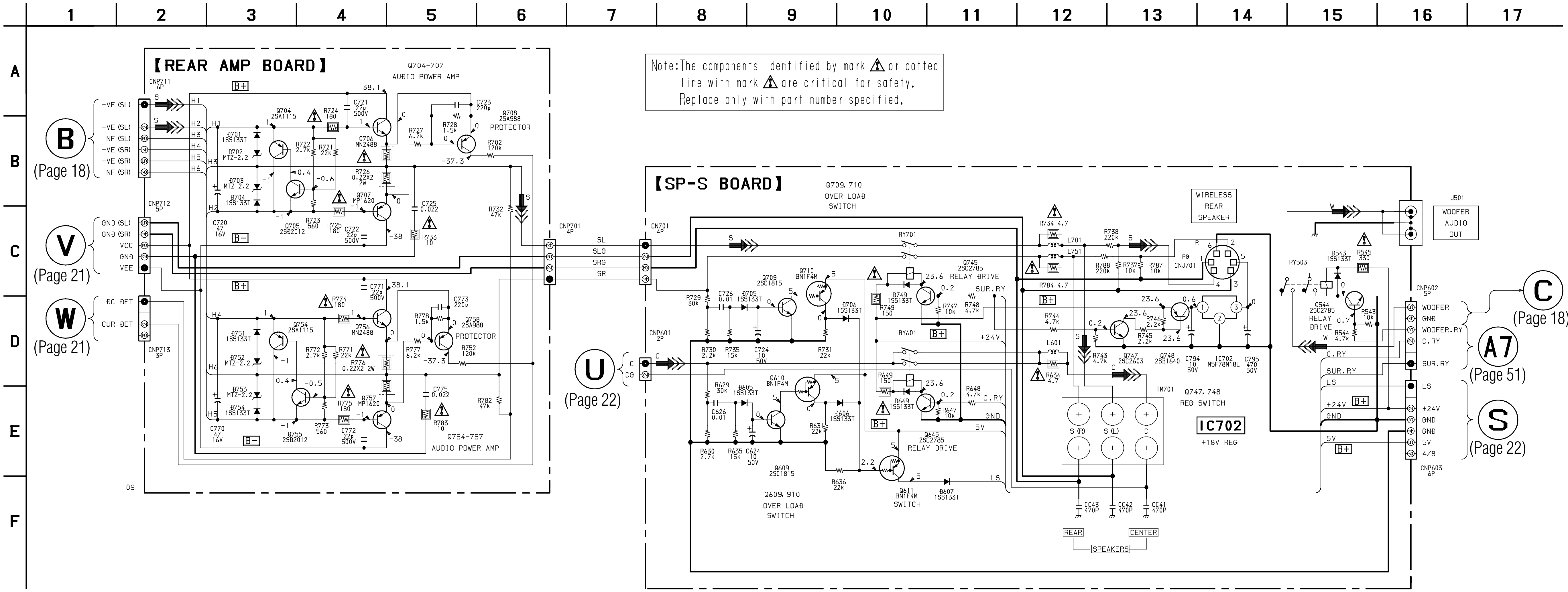
【REG BOARD】



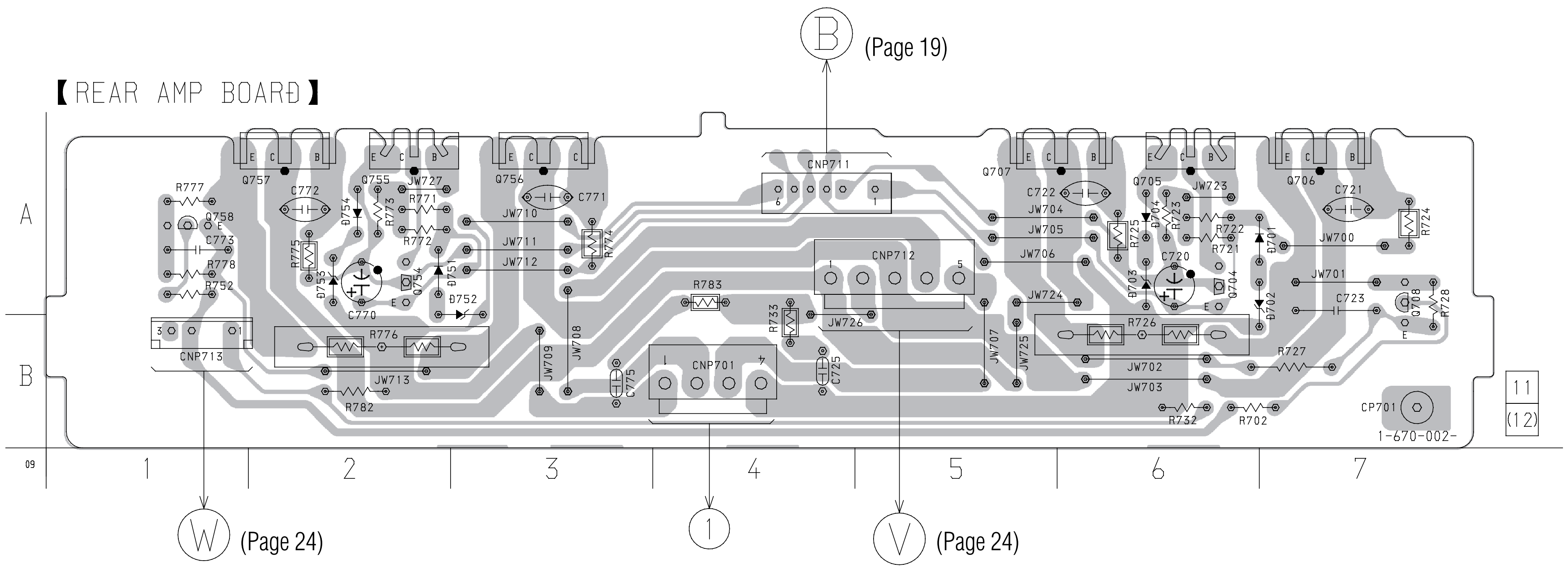
【AC BOARD】



3-9. SCHEMATIC DIAGRAM – REAR AMP SECTION –

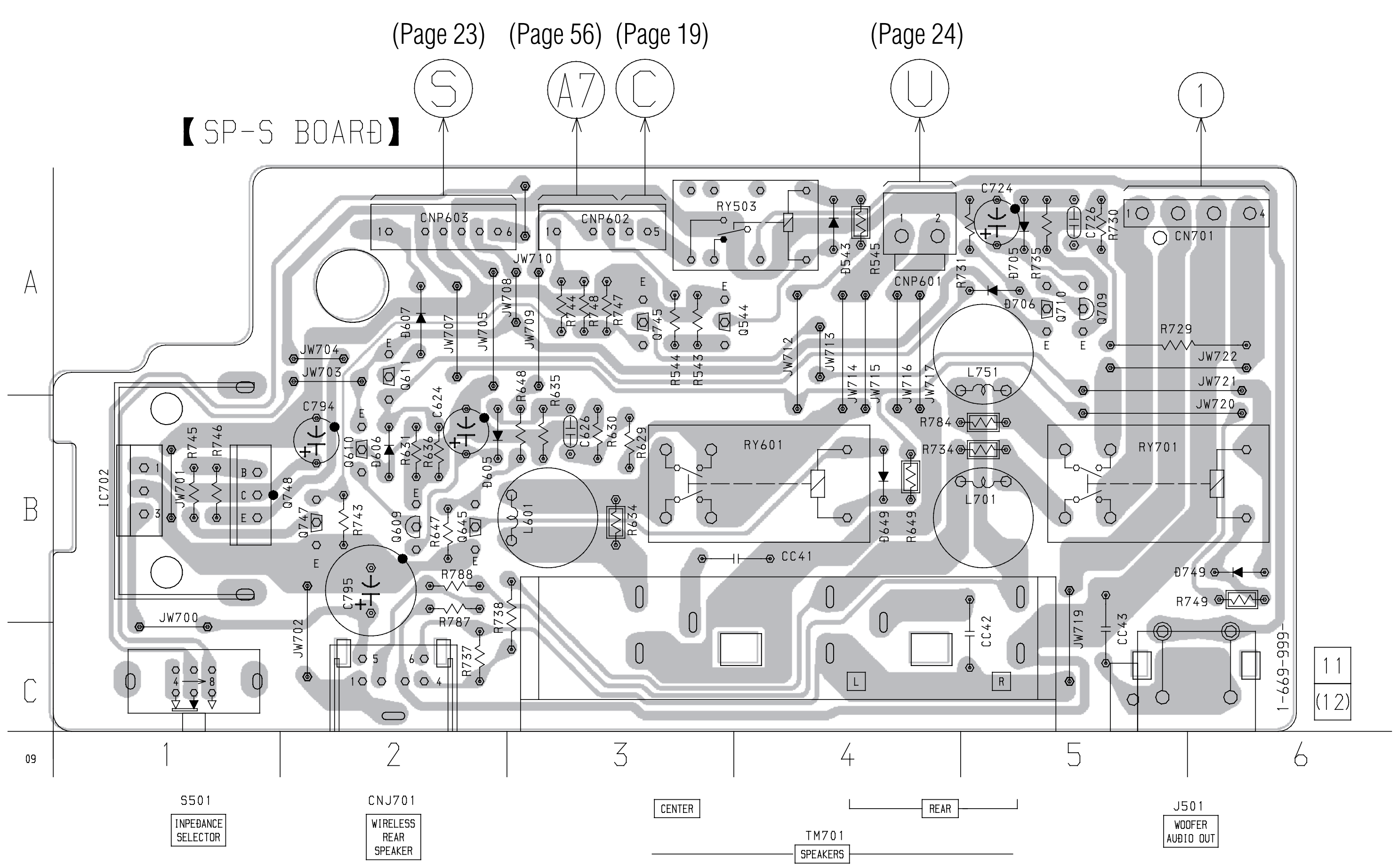


3-10. PRINTED WIRING BOARD – REAR AMP SECTION –
• See page 6 for Circuit Boards Location.



• **Semiconductor Location**

Ref. No.	Location
D701	A-7
D702	A-7
D703	A-6
D704	A-6
D751	A-2
D752	A-3
D753	A-2
D754	A-2
Q704	A-6
Q705	A-6
Q706	A-7
Q707	A-5
Q708	A-7
Q754	A-2
Q755	A-2
Q756	A-3
Q757	A-2
Q758	A-1

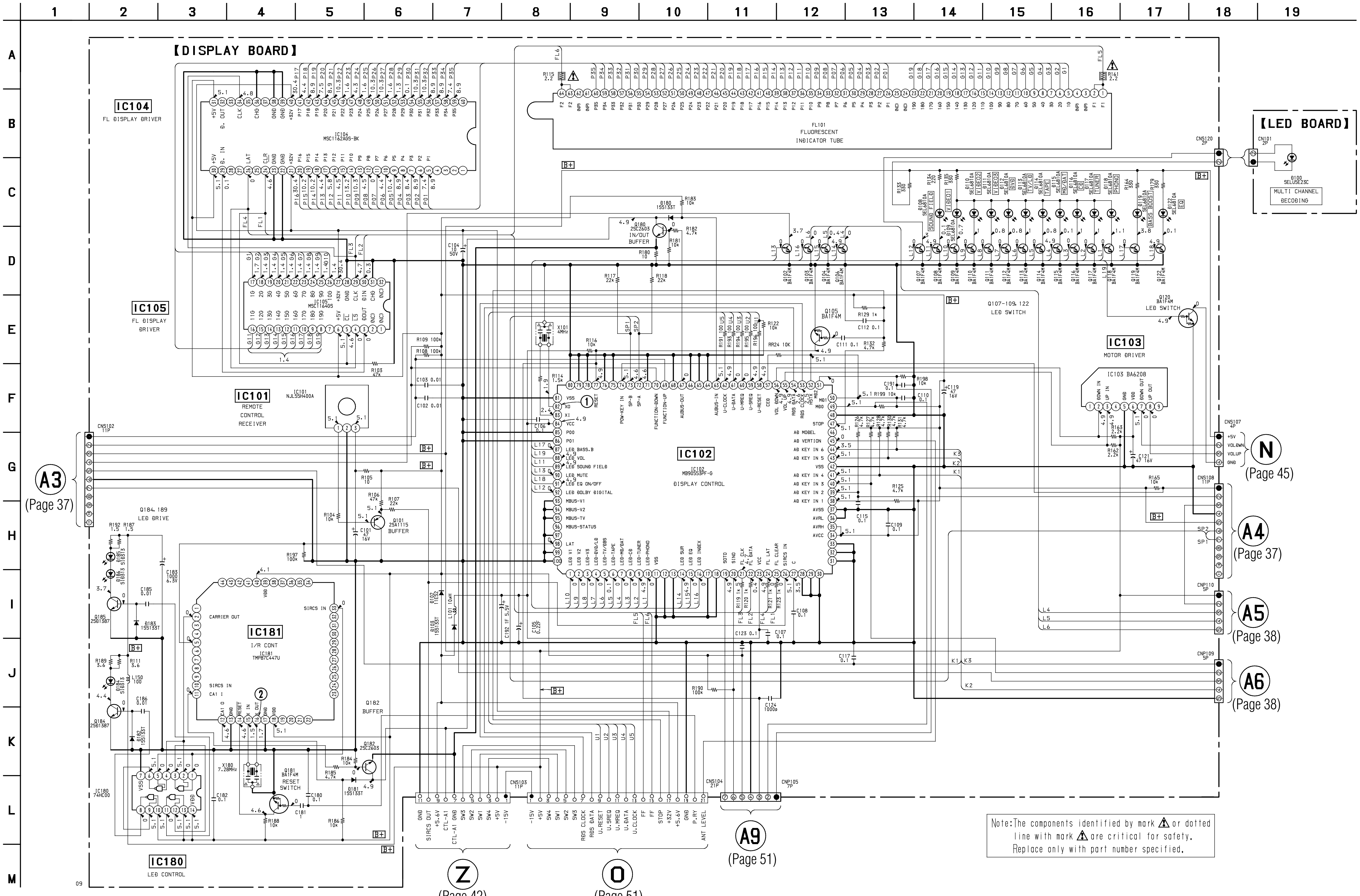


• **Semiconductor Location**

Ref. No.	Location
D543	A-4
D605	B-2
D606	B-2
D607	A-2
D649	B-4
D705	A-5
D706	A-5
D749	B-6
IC702	B-1
Q544	A-4
Q609	B-2
Q610	B-2
Q611	A-2
Q645	B-2
Q709	A-5
Q710	A-5
Q745	A-3
Q747	B-2
Q748	B-1

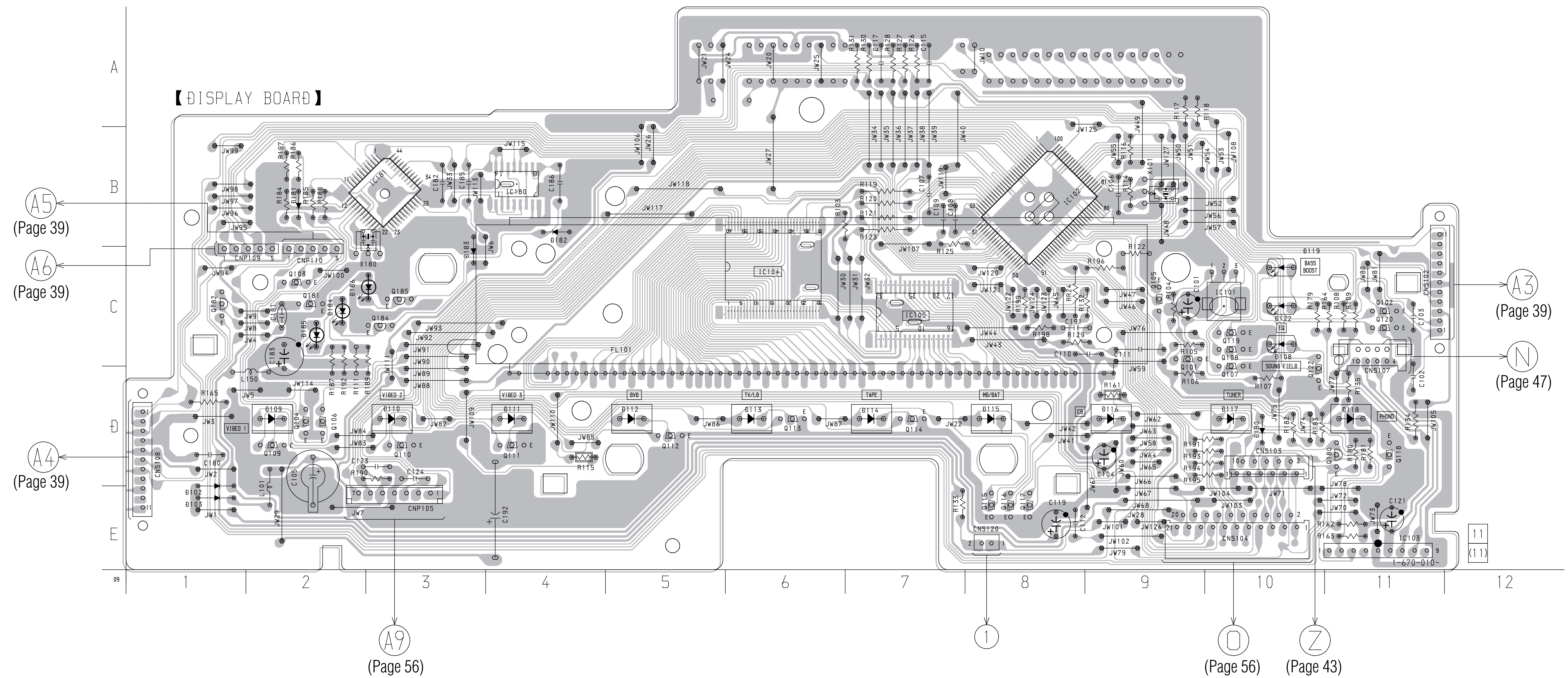
3-11. SCHEMATIC DIAGRAM – DISPLAY SECTION –

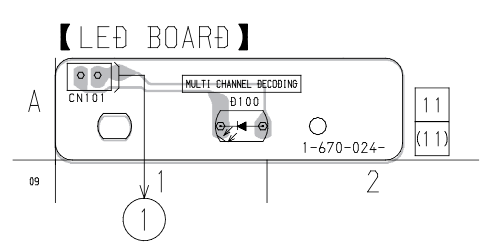
- See page 16 for Waveforms.
- See page 57 for IC Block Diagrams.
- See page 60 for IC Pin Functions.



3-12. PRINTED WIRING BOARD – DISPLAY SECTION –

• See page 6 for Circuit Boards Location.

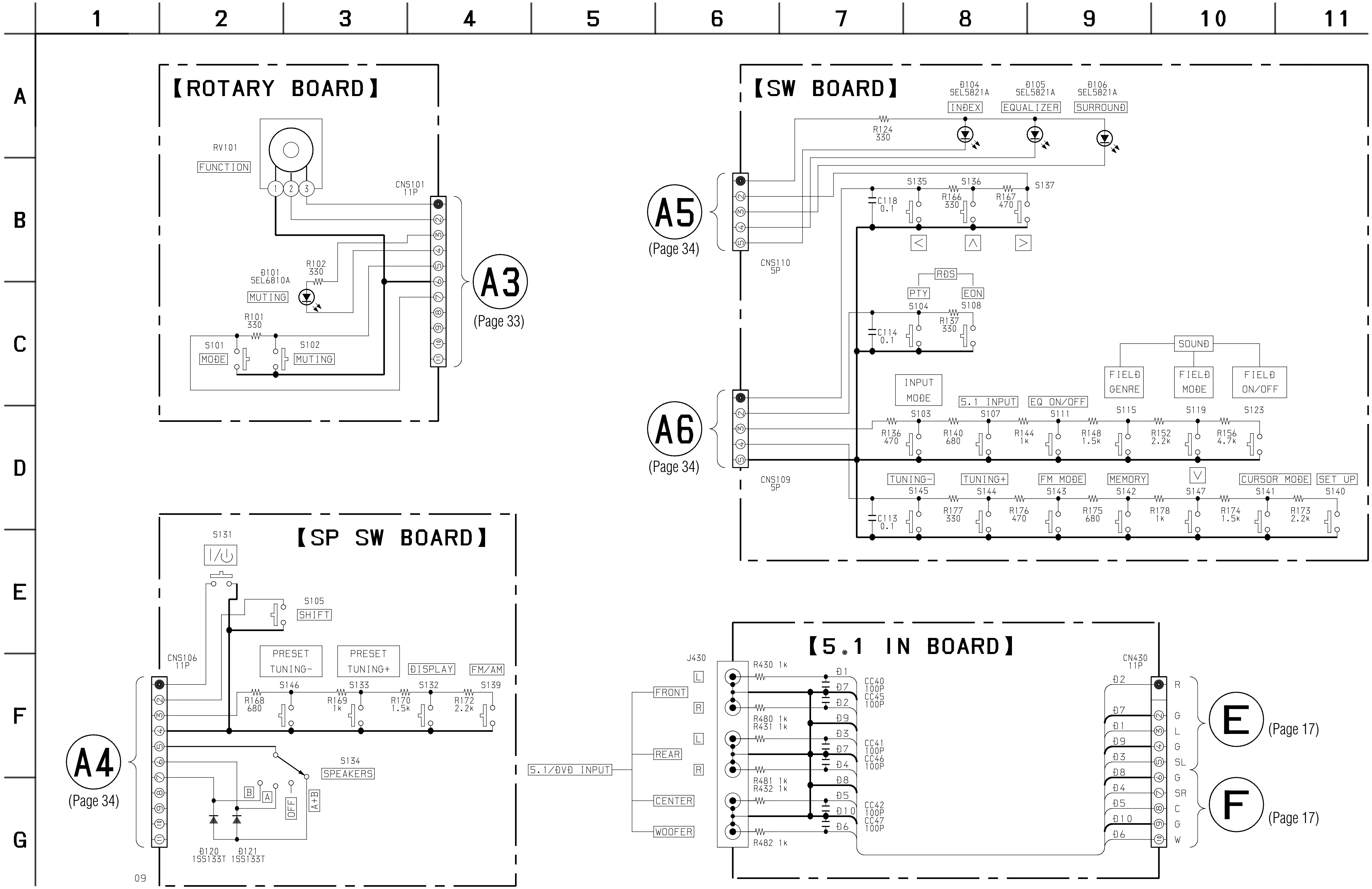




• Semiconductor Location

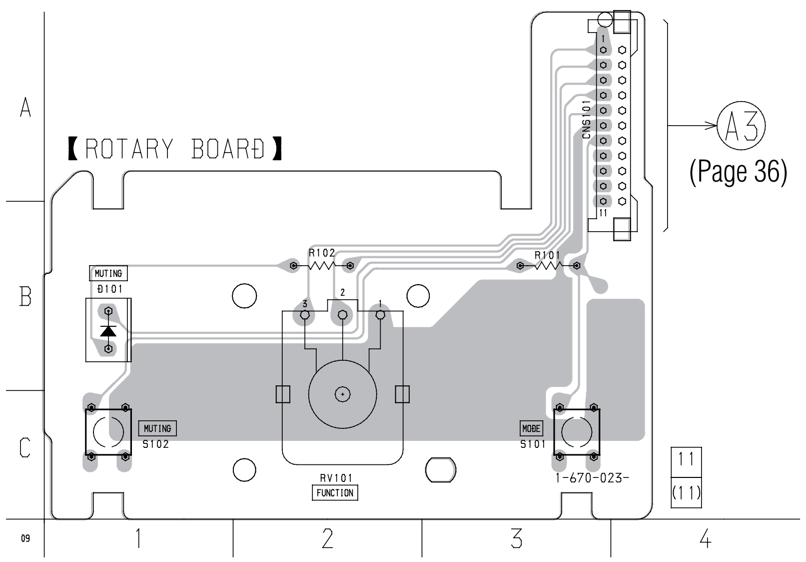
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D102	E-1	D184	C-2	Q108	C-10
D103	E-1	D185	C-2	Q109	D-2
D108	C-10	D186	C-3	Q110	D-3
D109	D-2			Q111	D-4
D110	D-3	IC101	C-9	Q112	D-5
D111	D-4	IC102	B-8	Q113	D-6
D112	D-5	IC103	E-11	Q114	D-7
D113	D-6	IC104	C-6	Q115	E-8
D114	D-7	IC105	C-7	Q116	E-8
D115	D-8	IC180	B-4	Q117	E-8
D116	D-9	IC181	B-3	Q118	D-11
D117	D-10			Q119	C-10
D118	D-11	Q101	D-9	Q120	C-11
D119	C-10	Q102	C-11	Q122	D-11
D122	C-10	Q103	C-2	Q180	D-11
D180	D-10	Q104	D-2	Q181	C-2
D181	B-2	Q105	C-9	Q182	C-1
D182	B-4	Q106	D-2	Q184	C-3
D183	C-3	Q107	D-1	Q185	C-3

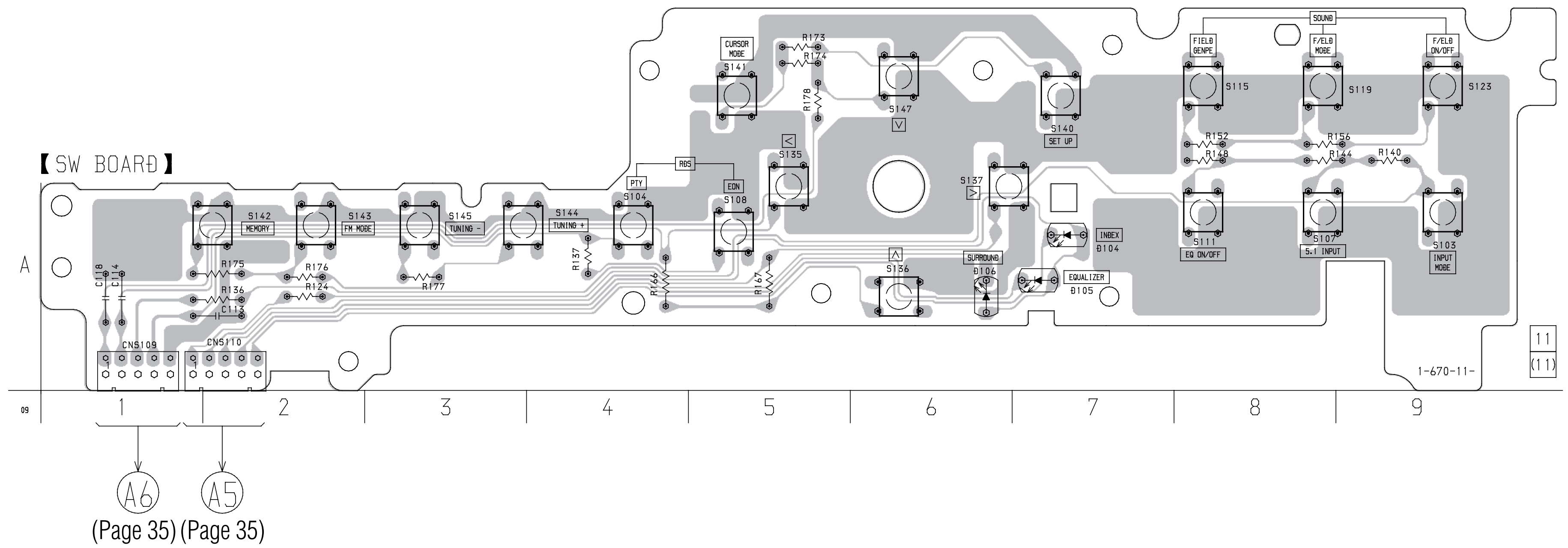
3-13. SCHEMATIC DIAGRAM – PANEL SECTION –

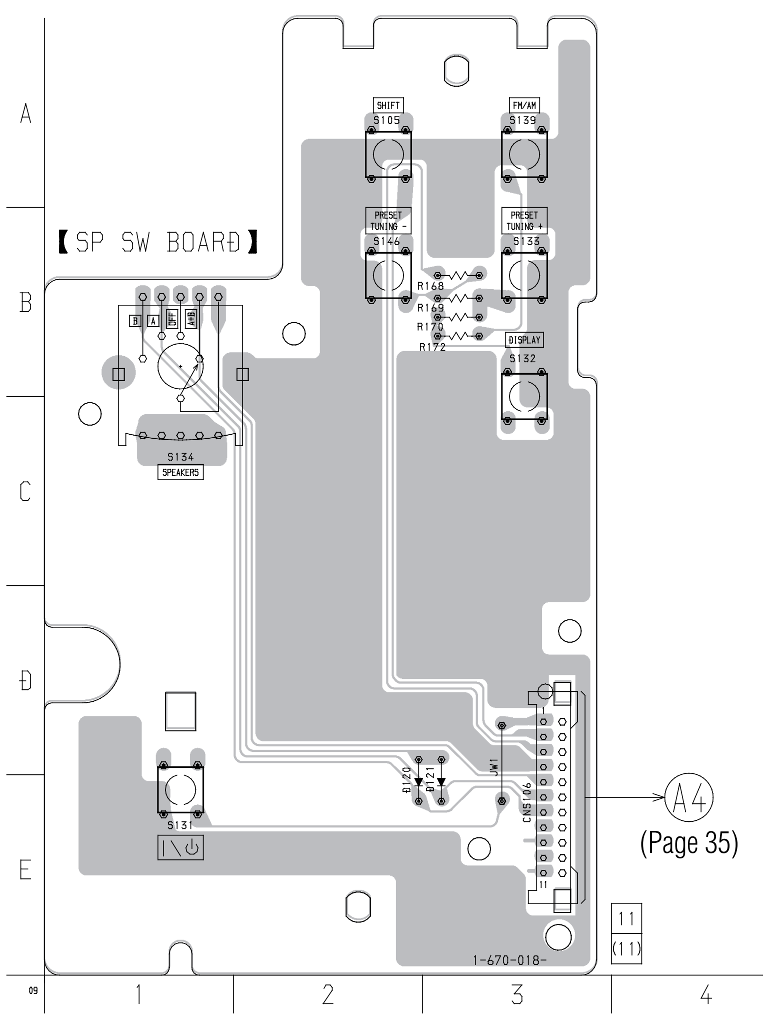


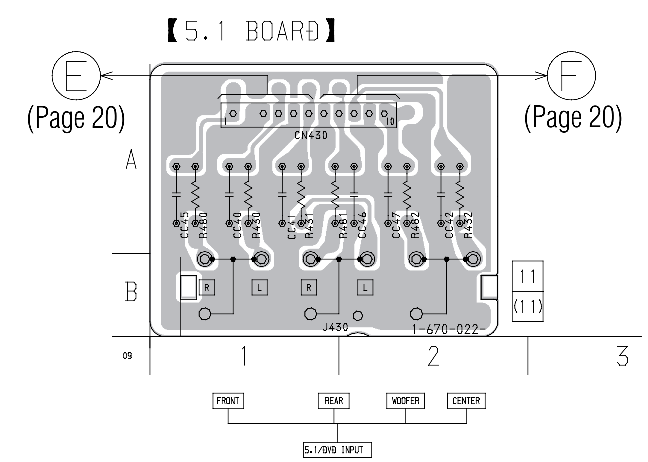
3-14. PRINTED WIRING BOARD – PANEL SECTION –

• See page 6 for Circuit Boards Location.



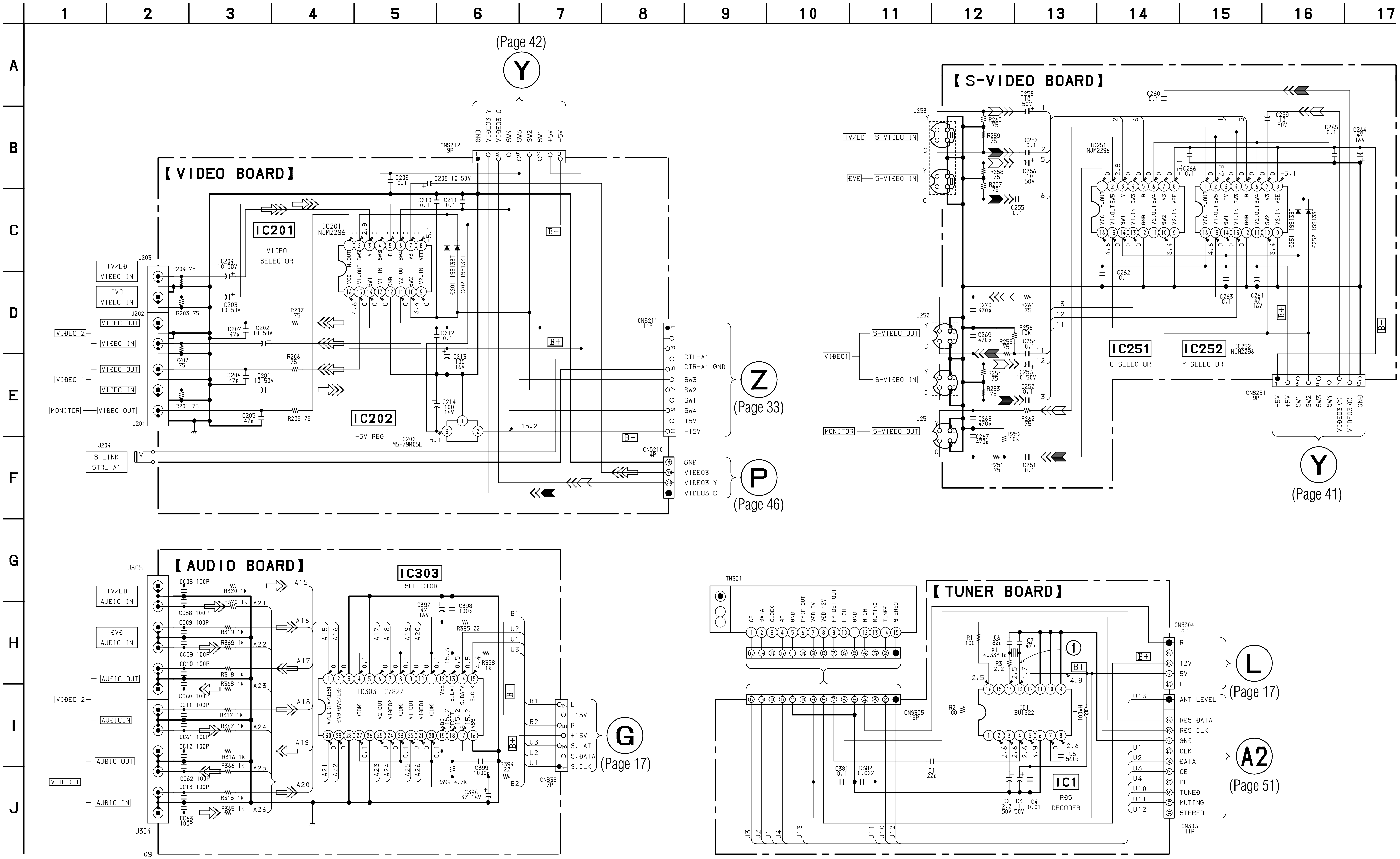






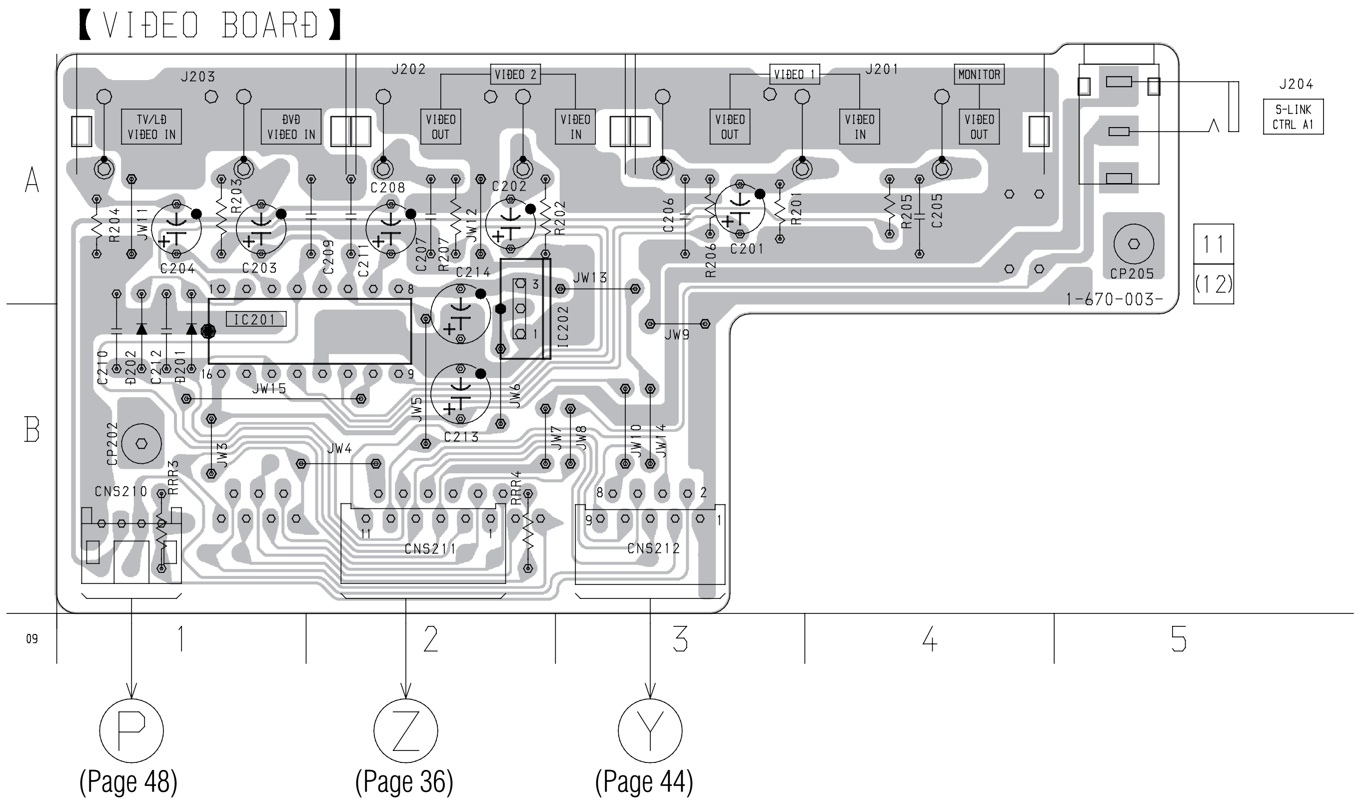
3-15. SCHEMATIC DIAGRAM – BACK PANEL SECTION –

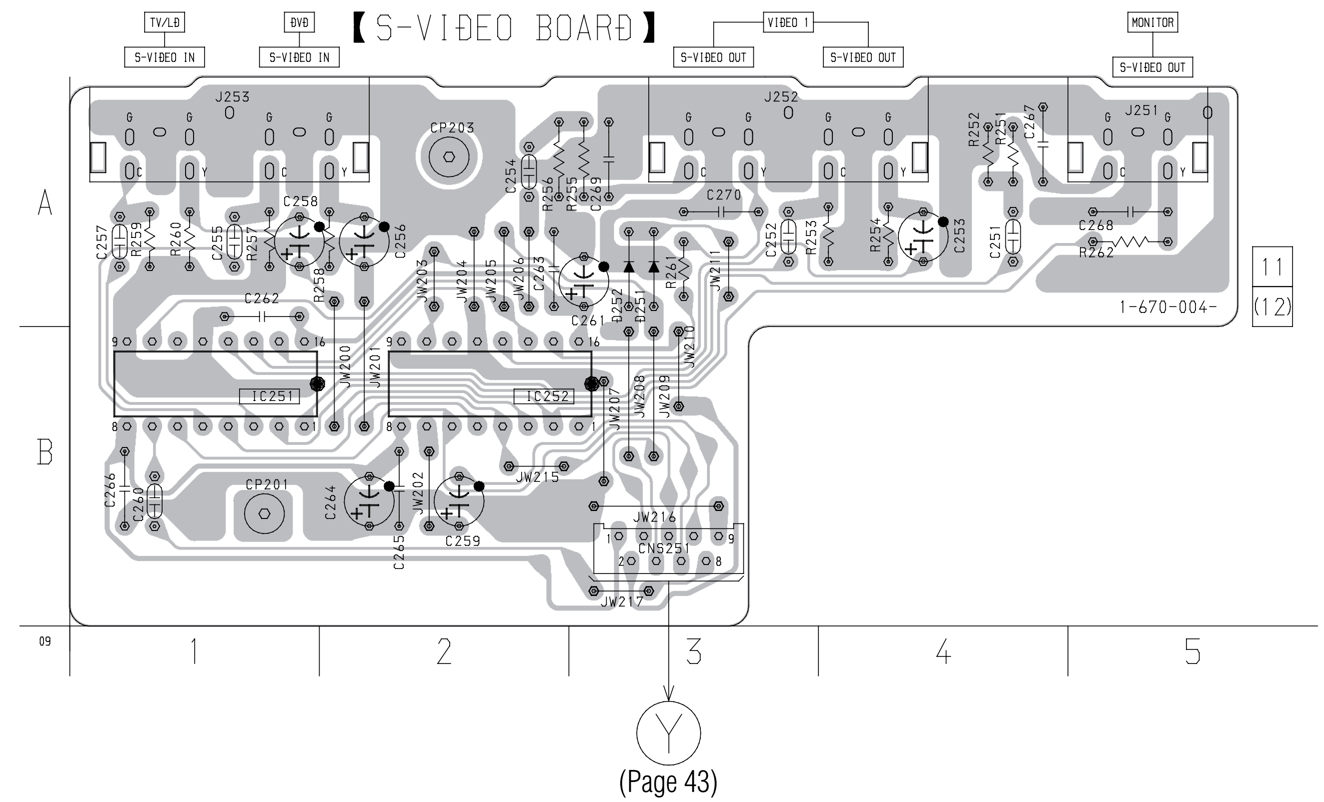
• See page 16 for Waveforms.
• See page 58 for IC Block Diagrams.

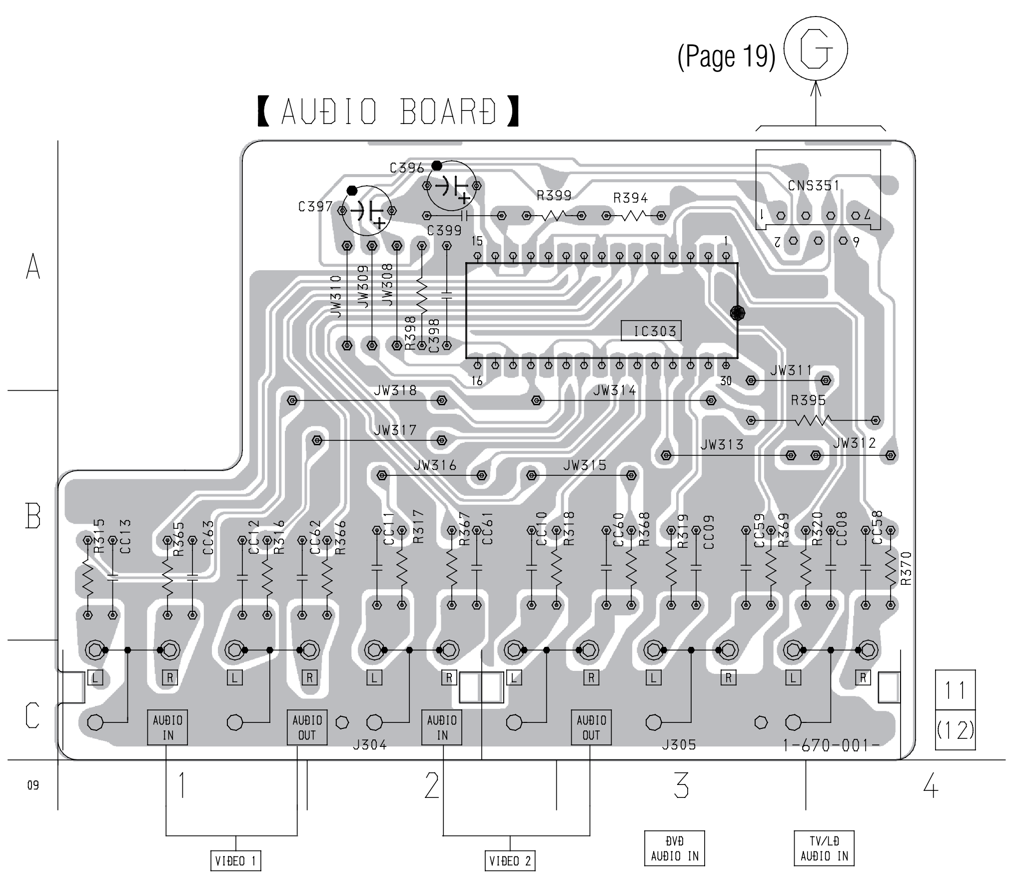


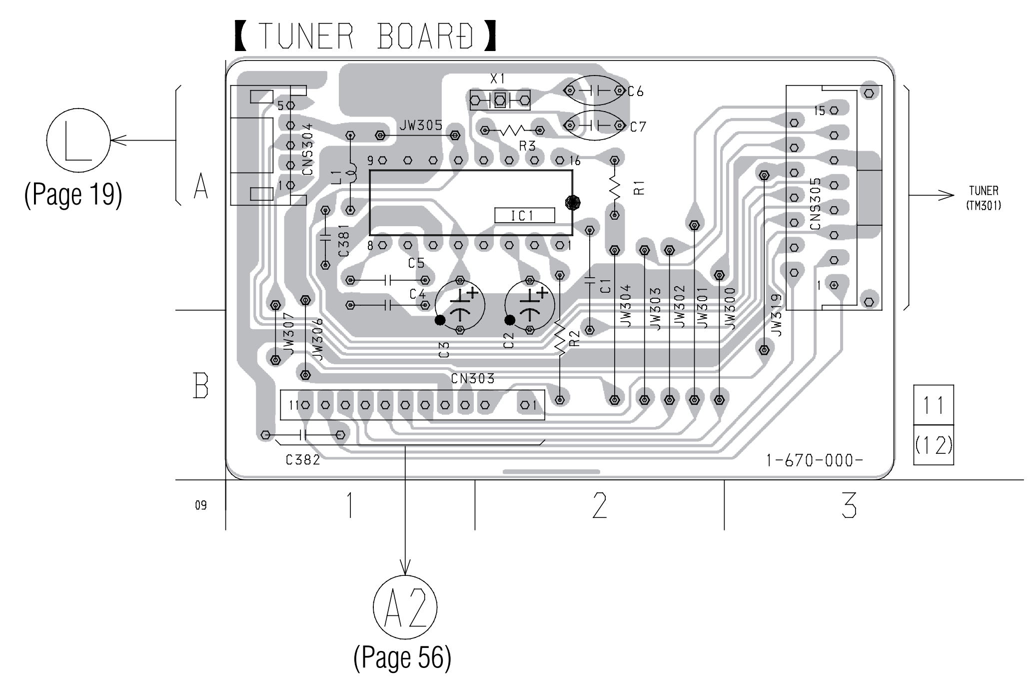
3-16. PRINTED WIRING BOARD – BACK PANEL SECTION –

• **See page 6 for Circuit Boards Location.**

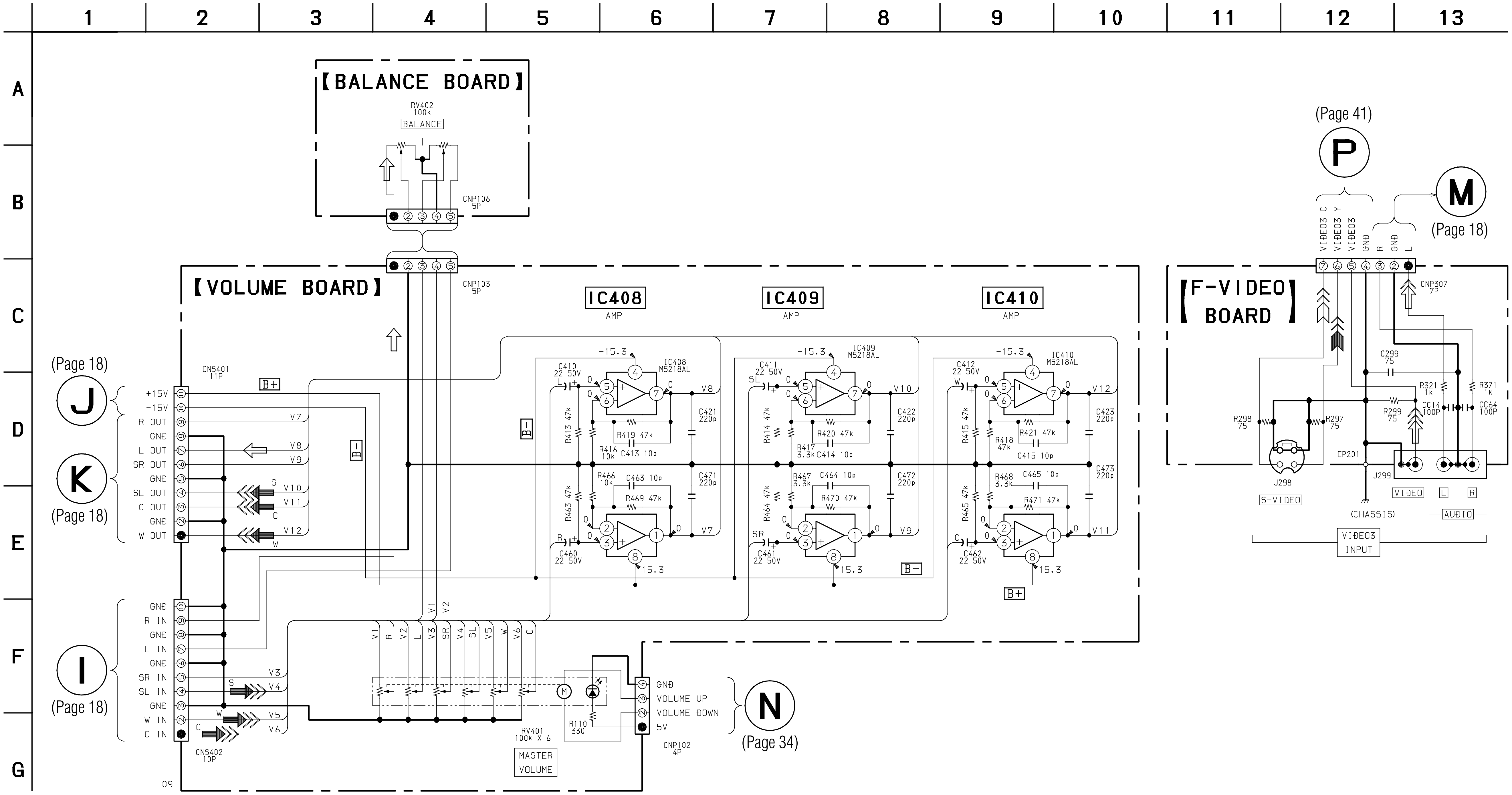






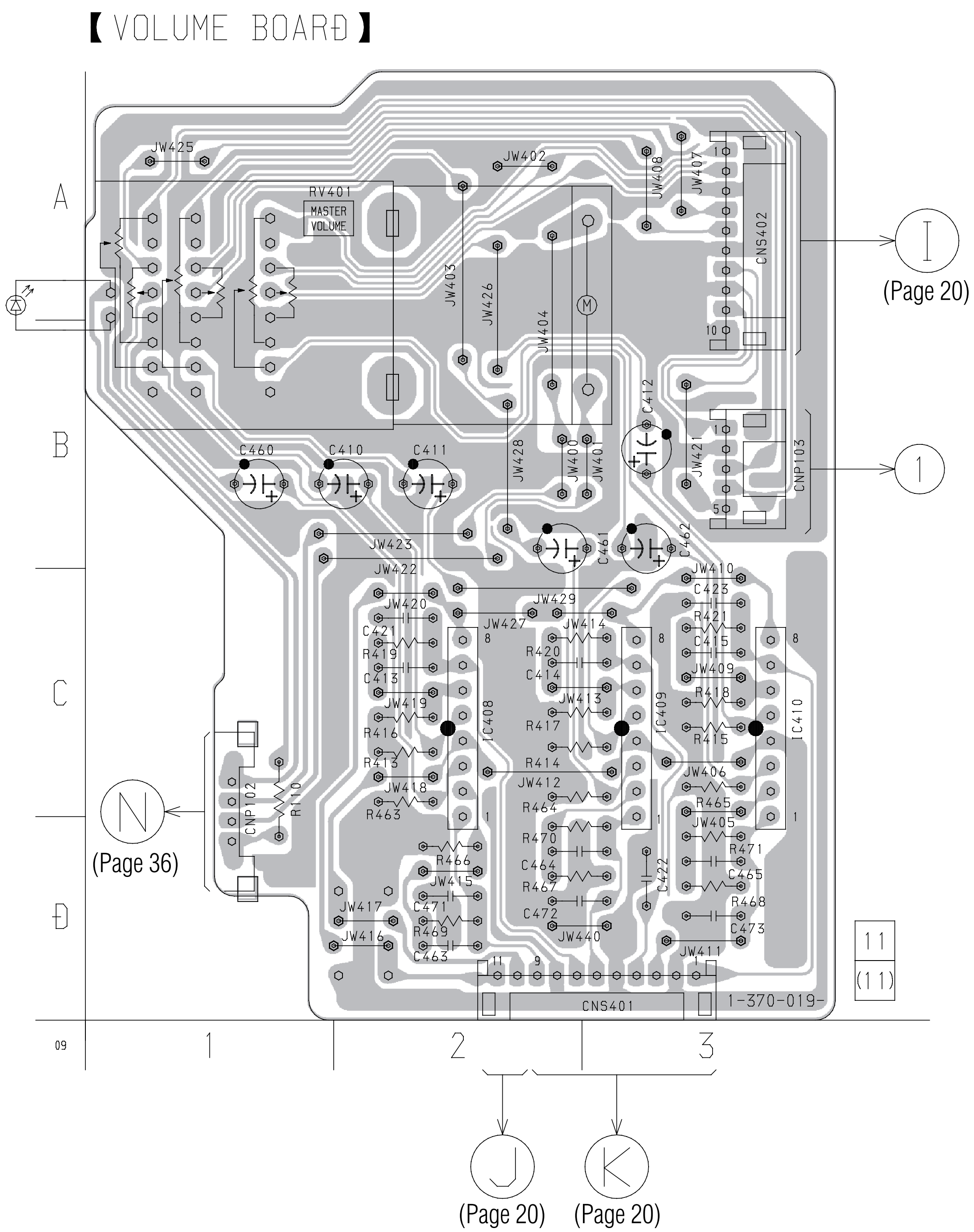


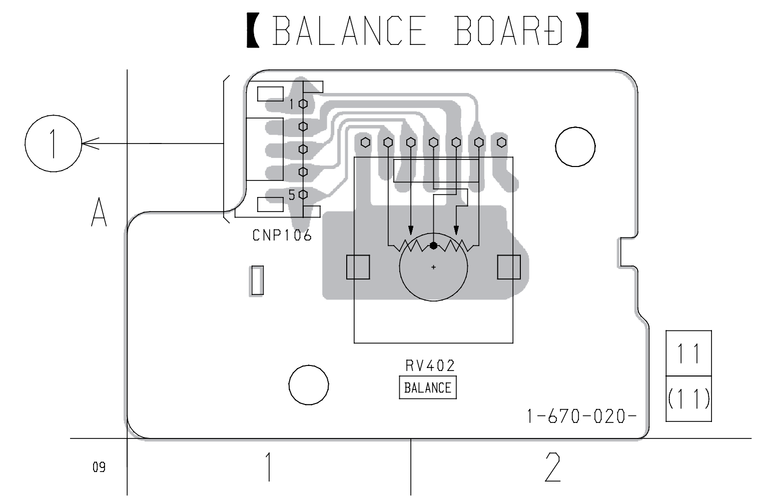
3-17. SCHEMATIC DIAGRAM – VOLUME SECTION –

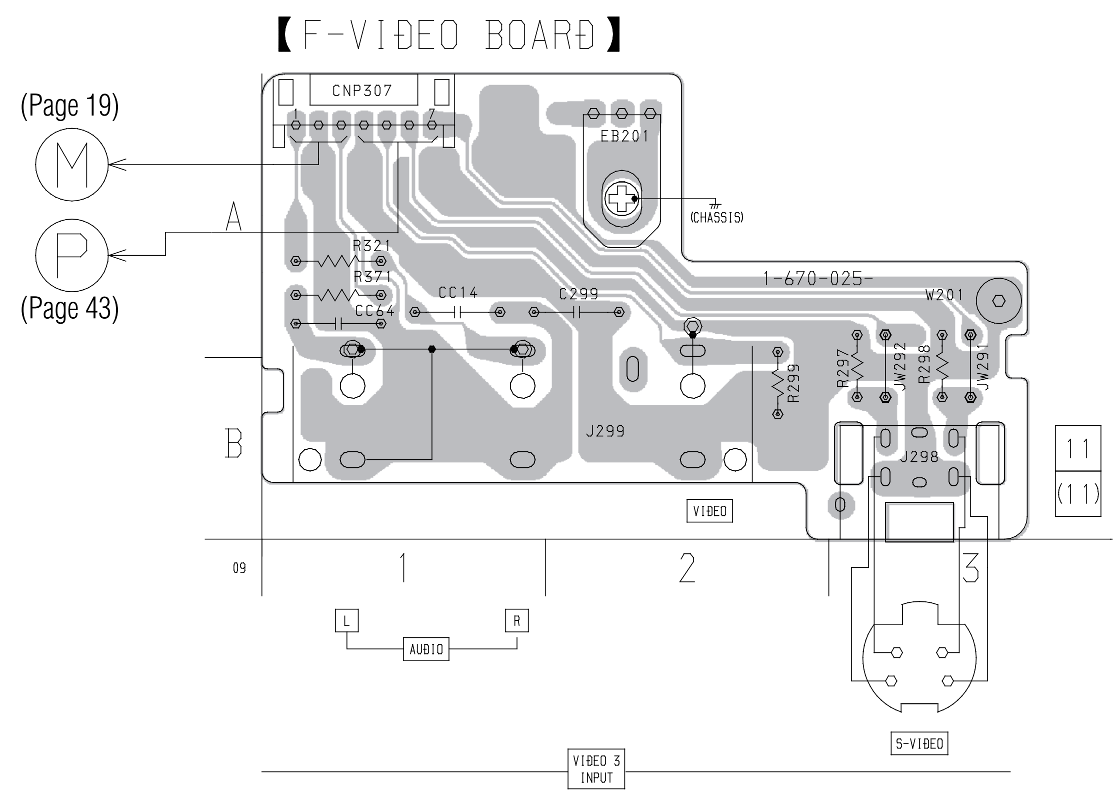


3-18. PRINTED WIRING BOARD – VOLUME SECTION –

• See page 6 for Circuit Boards Location.

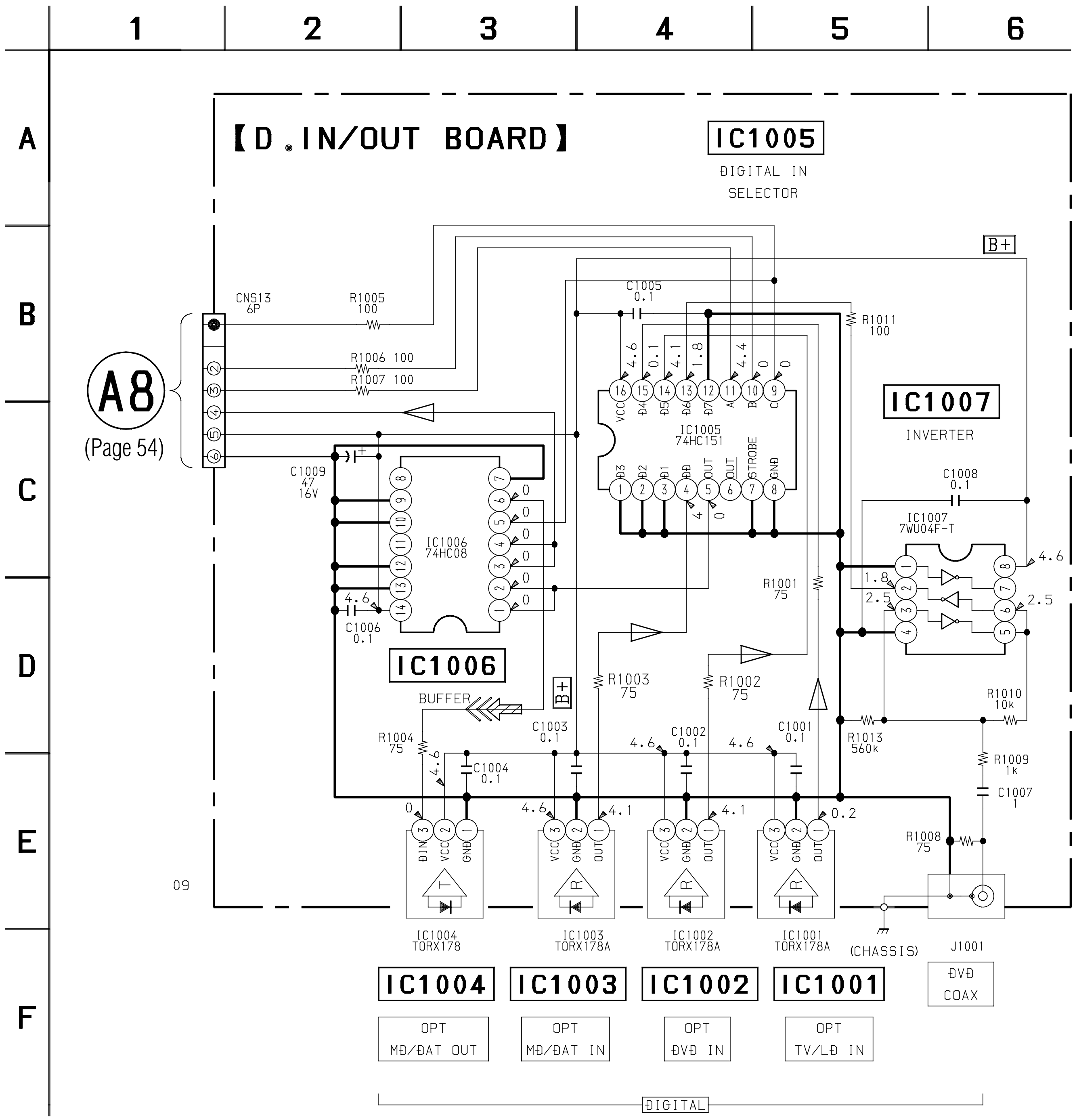






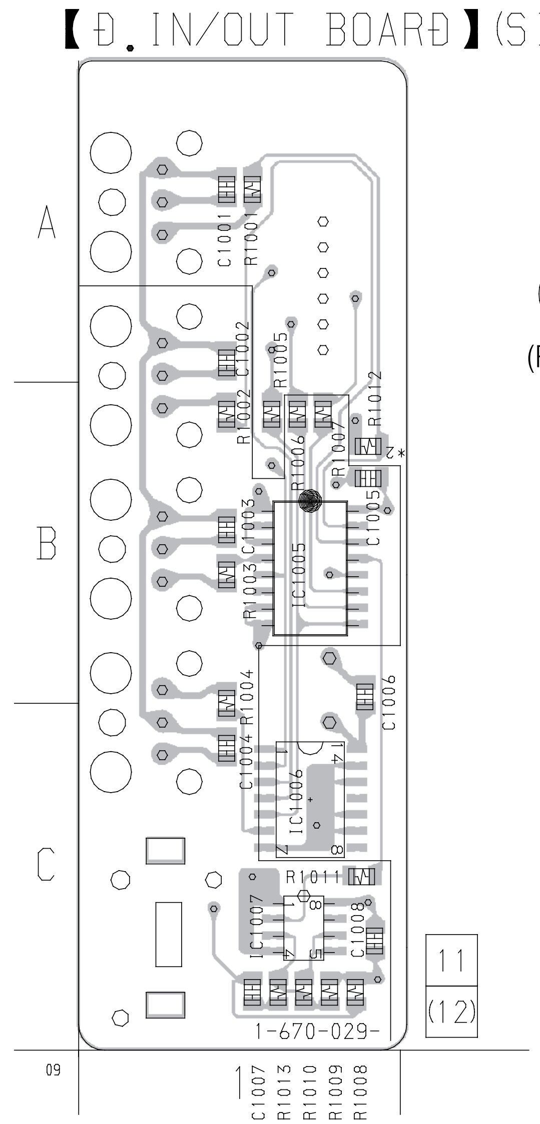
3-19. SCHEMATIC DIAGRAM – D IN/OUT SECTION –

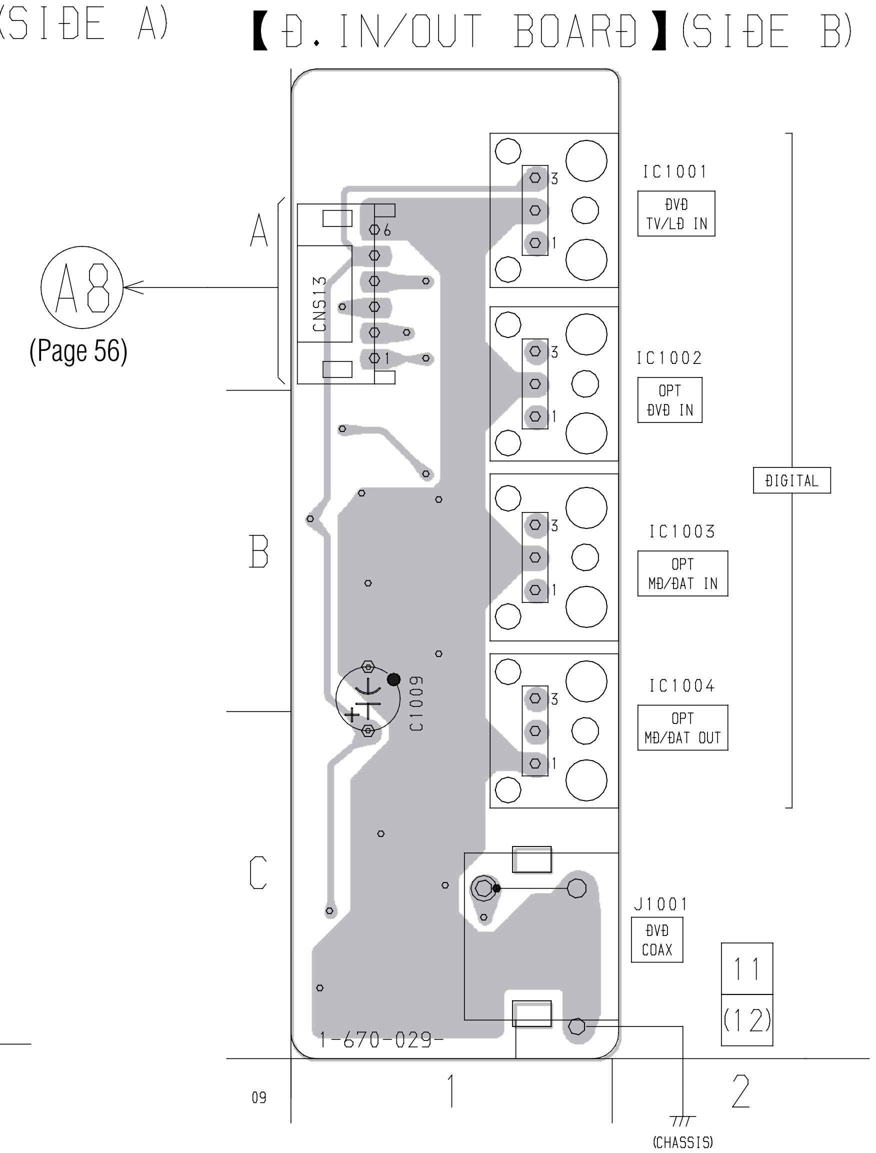
• See page 58 for IC Block Diagrams.



3-20. PRINTED WIRING BOARD – D IN/OUT SECTION –

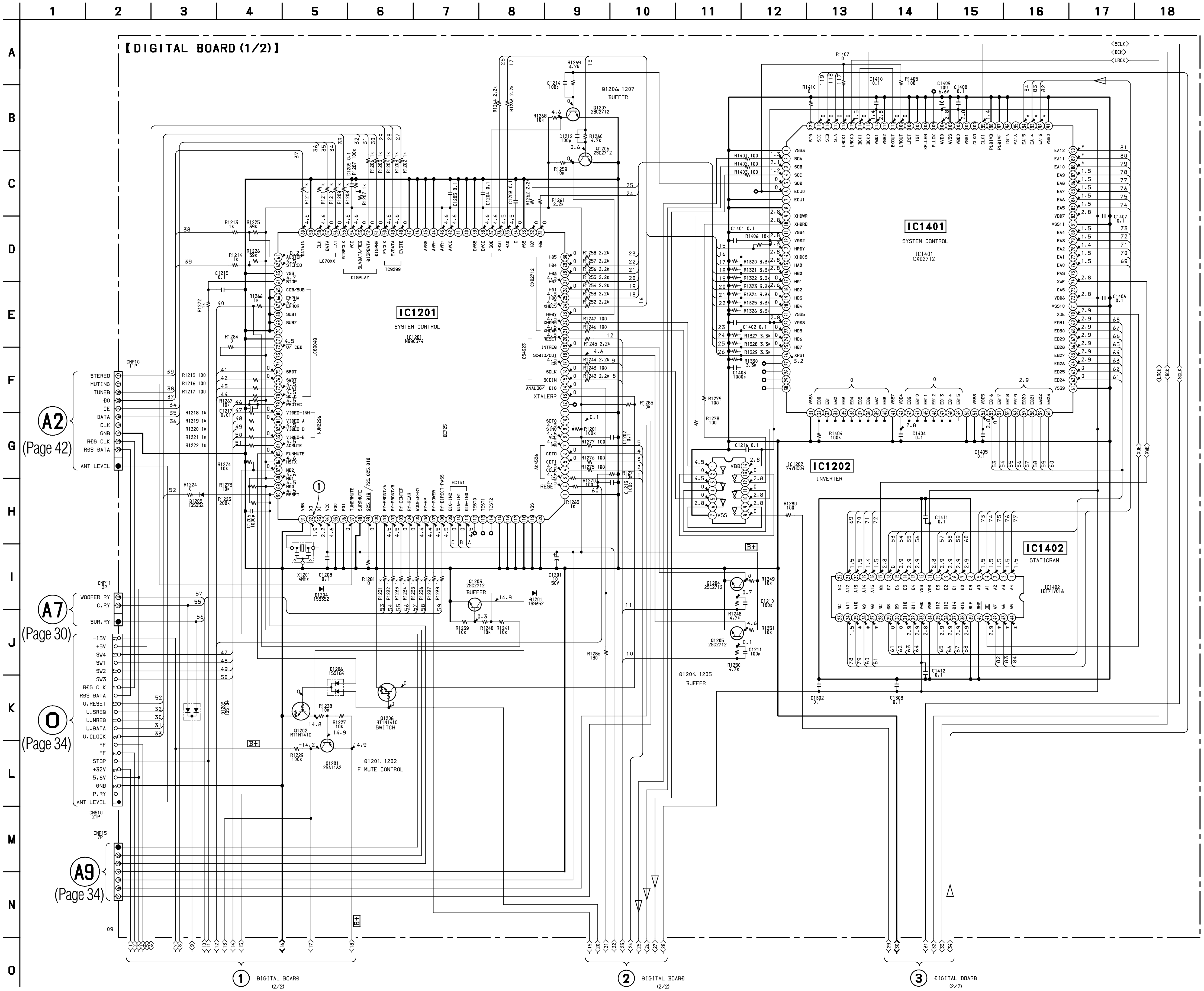
• See page 6 for Circuit Boards Location.





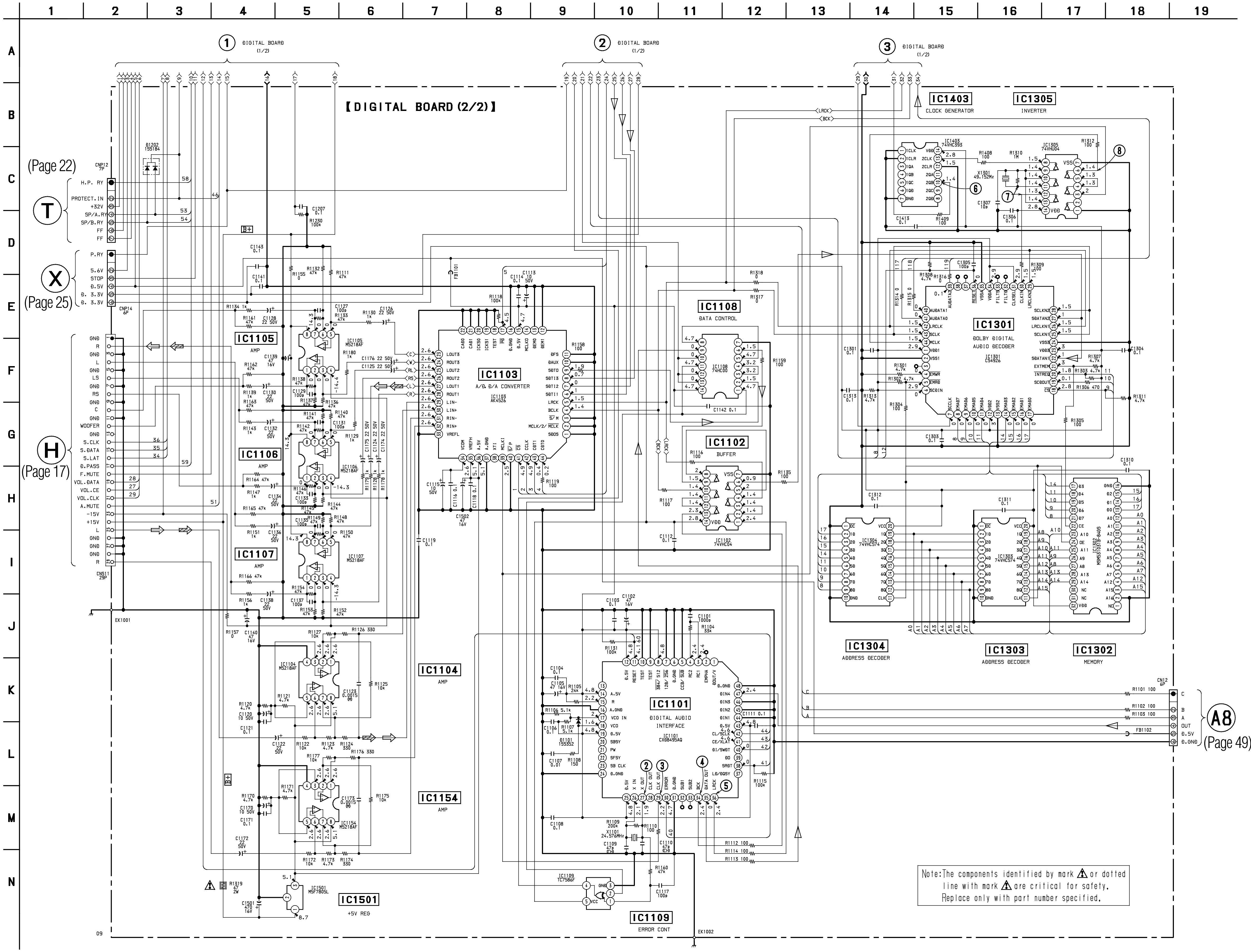
3-21. SCHEMATIC DIAGRAM – DIGITAL (1/2) SECTION –

• See page 16 for Waveforms.
• See page 64, 67 for IC Pin Functions.
• See page 55 for Printed Wiring Board.



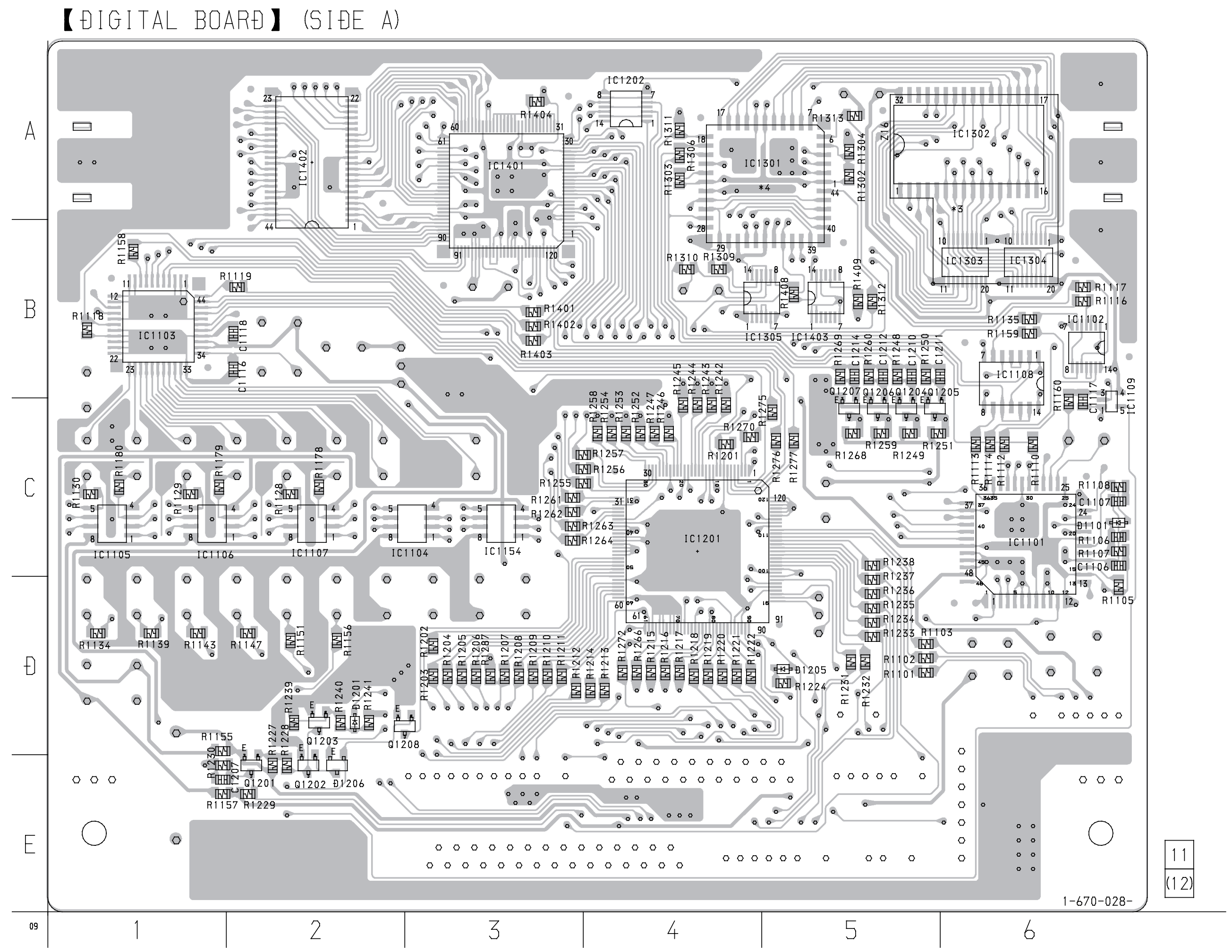
3-22. SCHEMATIC DIAGRAM – DIGITAL (2/2) SECTION –

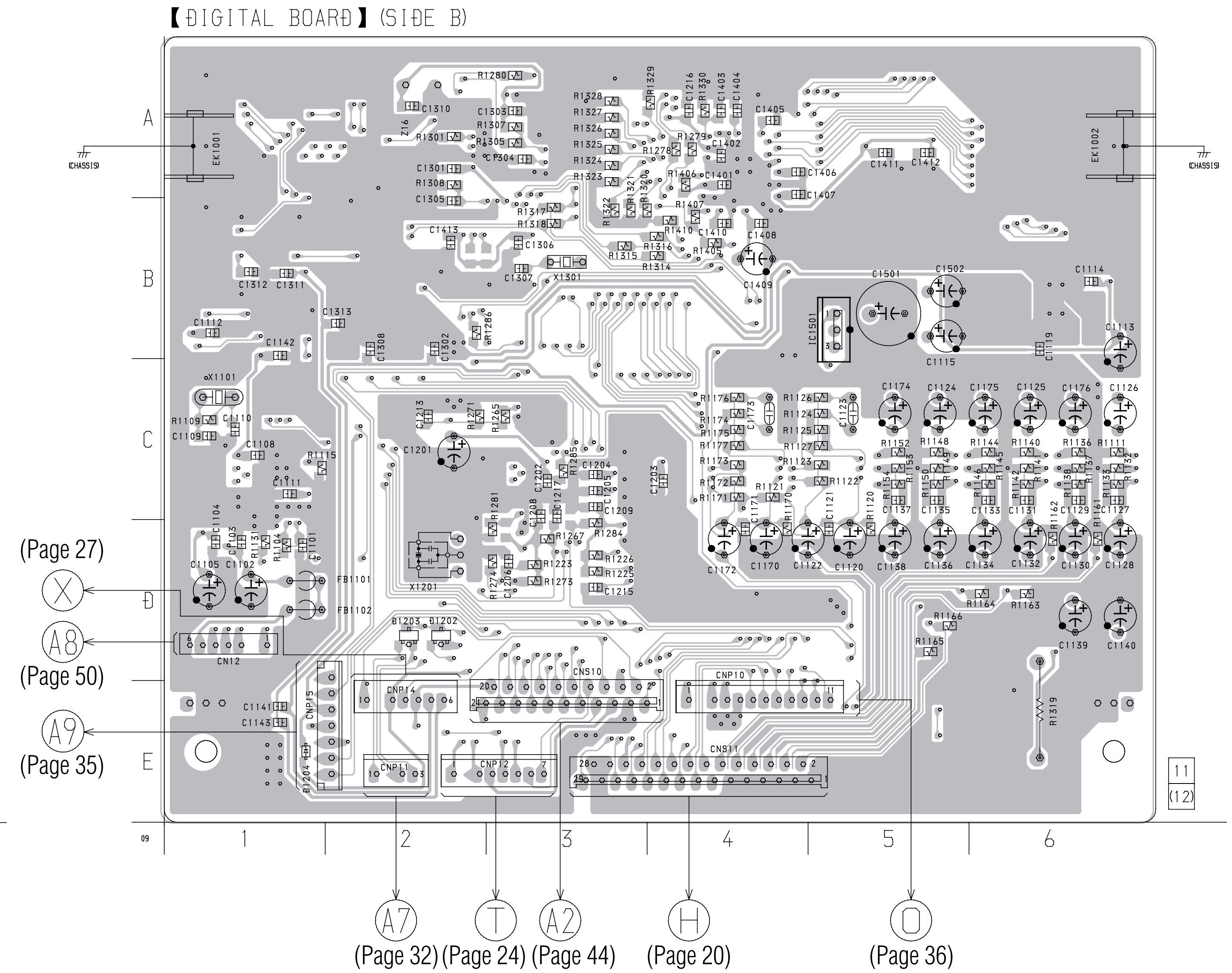
• See page 16 for Waveforms.
• See page 59 for IC Block Diagrams



3-23. PRINTED WIRING BOARD – DIGITAL SECTION –

- **See page 6 for Circuit Boards Location.**





- **Semiconductor Location**

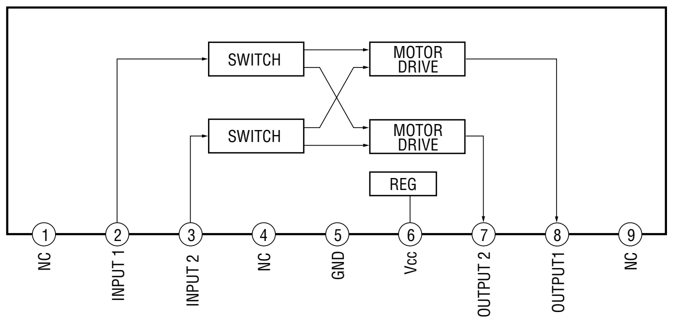
Ref. No.	Location	Ref. No.	Location
D1101	C-6	IC1302	A-6
D1201	D-2	IC1303	B-6
D1205	D-5	IC1304	B-6
D1206	E-2	IC1305	B-5
		IC1401	A-3
IC1101	C-6	IC1402	A-2
IC1102	B-6	IC1403	B-5
IC1103	B-1	IC1501	
IC1104	C-3		
IC1105	C-1	Q1201	E-2
IC1106	C-1	Q1202	E-2
IC1107	C-2	Q1203	D-2
IC1108	B-6	Q1204	C-5
IC1109	C-6	Q1205	C-5
IC1154	C-3	Q1206	C-5
IC1201	C-4	Q1207	C-5
IC1202	A-4	Q1208	D-2
IC1301	A-5		

- **Semiconductor Location**

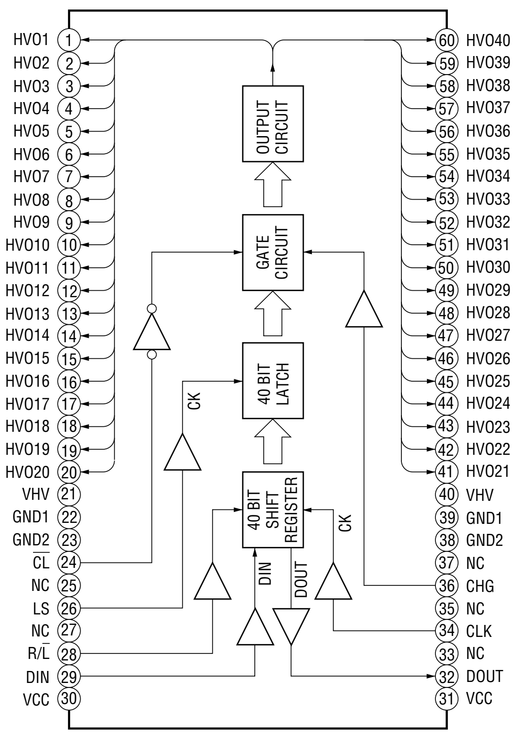
Ref. No.	Location
D1202	D-2
D1203	D-2
D1204	E-1

3-24. IC BLOCK DIAGRAMS

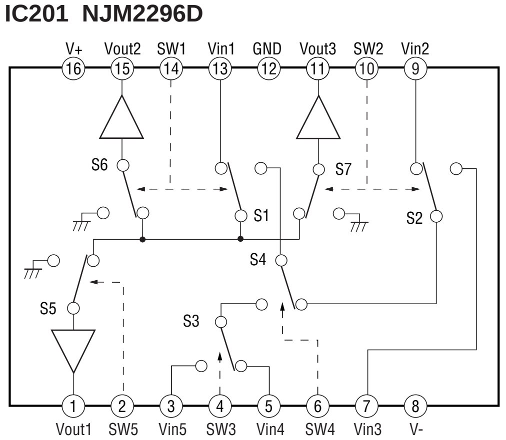
IC103 BA6208



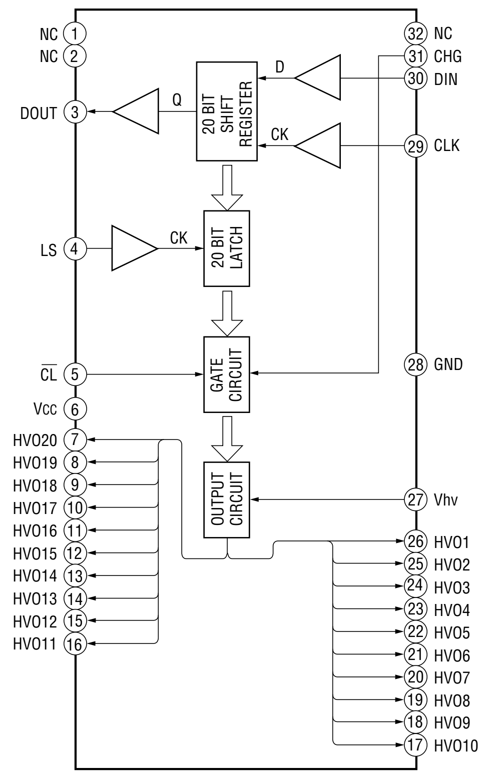
IC104 MSC1162AGS-BK



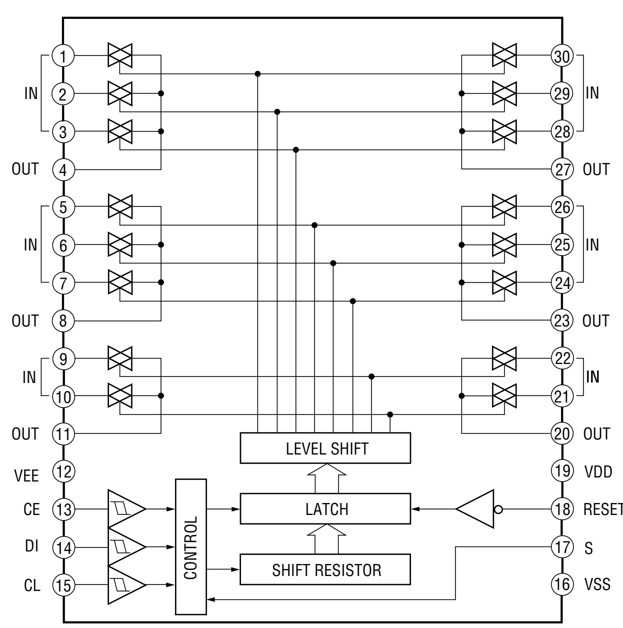
IC201 NJM2296D



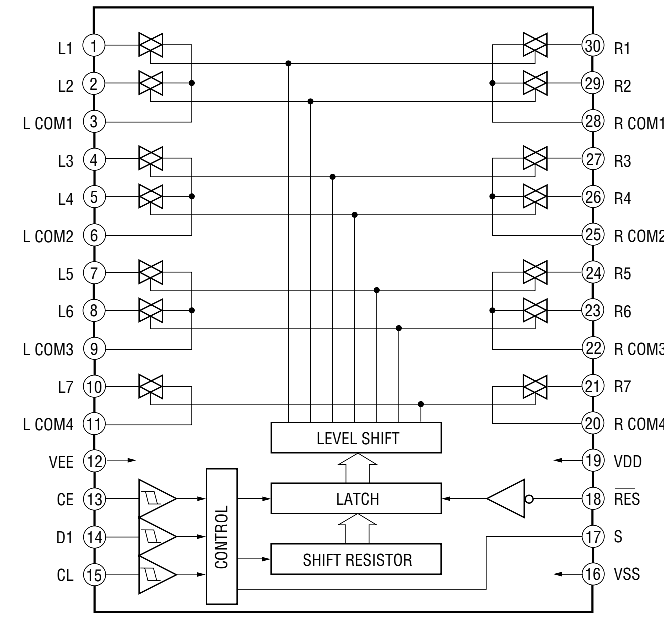
IC105 MSC1164GS-KR1



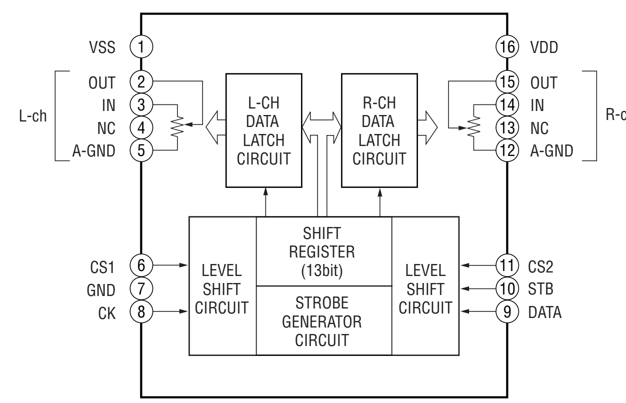
IC301 LC7822



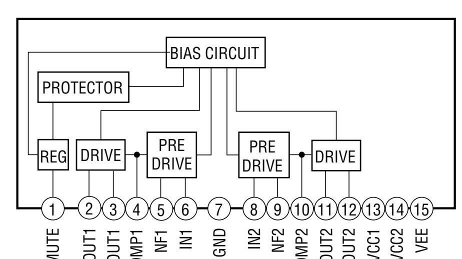
IC303 LC7823



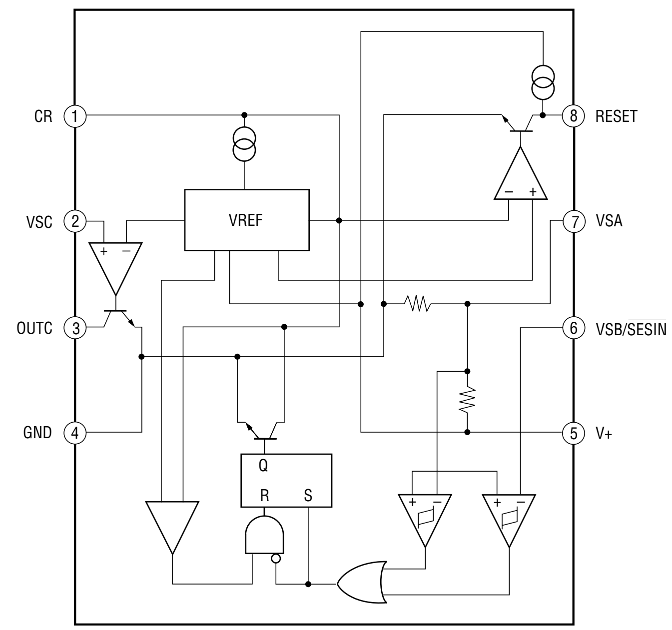
IC414 TC9299P



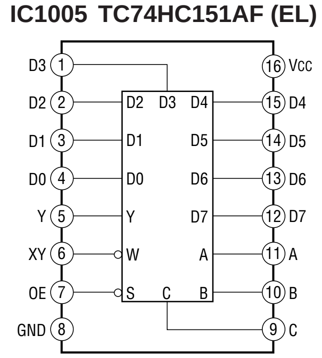
IC501 uPC2581V



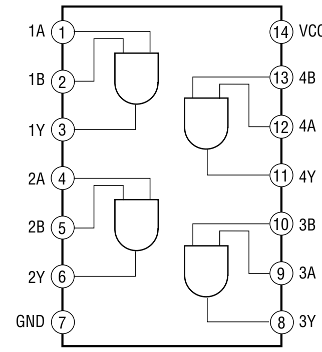
IC901 NJM2103D



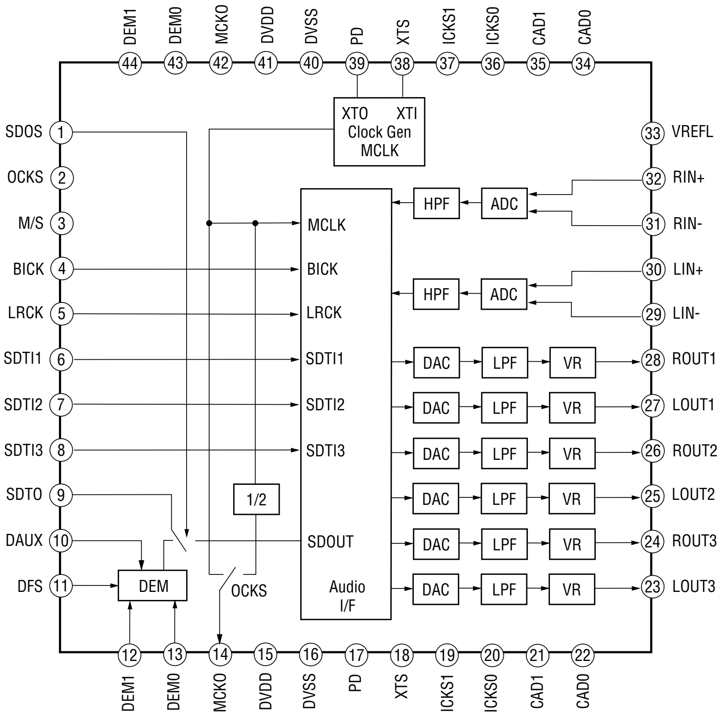
IC1005 TC74HC151AF (EL)



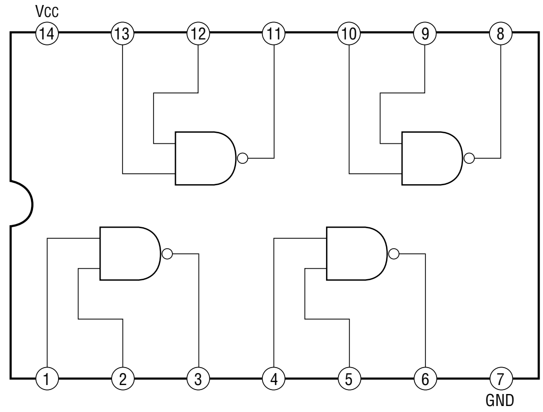
IC1006 TC74HC08AF (EL)



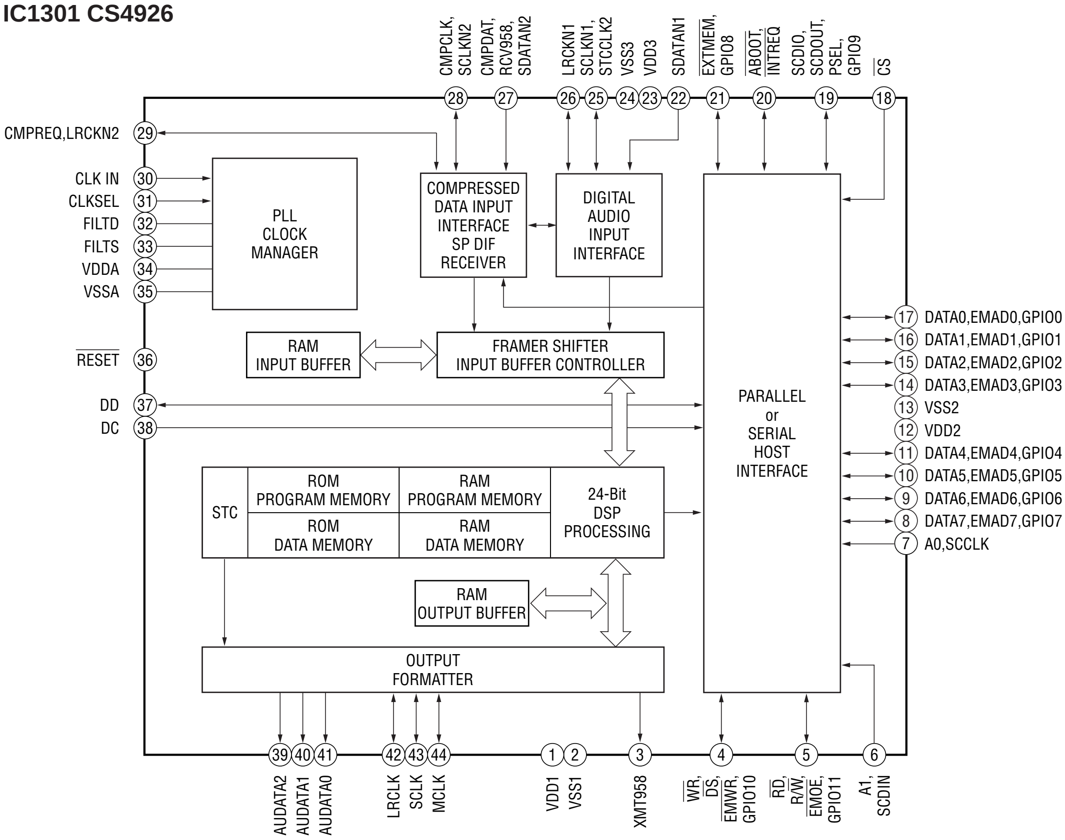
IC1103 AK4526



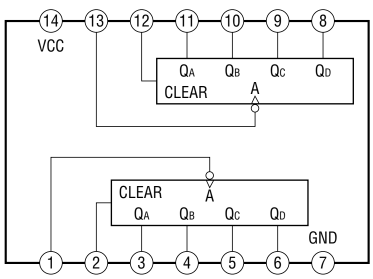
IC1108 MC74HC00AF



IC1301 CS4926



IC1403 TC74VHC393FT (EL)



3-25. IC PIN FUNCTIONS

• IC102 MB90553PF-G-121-BND (DISPLAY BOARD)

Pin No.	Pin Name	I/O	Function
1	LED V1	O	VIDEO 1 VISUAL display data output to LED
2	LED V2	O	VIDEO 2 AUDIO display data output to LED
3	LED V3	O	VIDEO 3 VISUAL display data output to LED
4	LED-DVD/LD	O	DVD/LD AUDIO display data output to LED
5	LED-TV/DBS	O	DVD/LD VISUAL display data output to LED
6	LED-TAPE	O	TV/DBS AUDIO display data output to LED
7	LED-MD/DAT	O	TV/DBS VISUAL display data output to LED
8	LED-CD	O	TAPE display data output to LED
9	LED-TUNER	O	MD/DAT display data output to LED
10	LED-PHONO	O	CD display data output to LED
11	VSS	–	Ground (Connected to Ground)
12	—	–	Not used. (Connected to Ground)
13	—	–	Not used. (Connected to Ground)
14	LED SUR	O	CURSOR MODE SURROUND display data output to LED
15	LED EQ	O	CURSOR MODE EQUIPMENT display data output to LED
16	LED INDEX	O	CURSOR MODE INDEX display data output to LED
17	—	–	Not used. (Connected to Ground)
18	—	–	Not used. (Connected to Ground)
19	SOT0	O	UART data output to rewrite flash memory
20	SIN0	I	UART data intput to rewrite flash memory
21	FL CLK	O	Clock output to flourescent display tube
22	FL DATA	O	Data output to flourescent display tube
23	VCC	–	Power supply +5 V
24	FL LAT	O	Fluorescent latch
25	FL CLEAR	O	Fluorescent clear
26	SIRCS IN	I	SIRCS input
27	C	–	External power regulator capacitor 0.1µ is connected to this terminal.
28	—	–	Not used (Connected to Ground)
29	—	–	Not used (Connected to Ground)
30	—	–	Not used (Connected to Ground)
31	—	–	Not used (Connected to Ground)
32	—	–	Not used (Connected to Ground)
33	—	–	Not used (Connected to Ground)
34	AVCC	–	Analog power supply +5 V
35	AVRH	–	AVRH (Connected to power supply +5 V)
36	AVRL	–	SVRL (Connected to Ground)
37	AVSS	–	GND (Connected to Ground)
38	AD KEY IN 1	I	Key input 1
39	AD KEY IN 2	I	Key input 2
40	AD KEY IN 3	I	Key input 3

Pin No.	Pin Name	I/O	Function
41	AD KEY IN 4	I	Key input 4
42	VSS	–	Ground (Connected to Ground)
43	AD KEY IN 5	I	Key input 5
44	AD KEY IN 6	I	Key input 6
45	AD VERSION	I	Version input
46	AD MODEL	I	Model input
47	STOP	I	Stop input
48	—	–	Not used (Connected to Ground)
49	MD 0	I	MD 0 (To MD0 of MB90574)
50	MD 1	I	MD 1 (Connected to power supply +5 V)
51	MD 2	I	MD 2 (To MD2 of MB90574)
52	HSTX	I	Hardware STANDBY input
53	RDS CLOCK	I	RDS clock input
54	RDS DATA	I	RDS data input
55	VOL UP	O	Volume up data output
56	VOL DOWN	O	Volume down data output
57	—	–	Not used (Connected to Ground)
58	U-RESET	O	Reset output (Connected to MB90574 RESET)
59	U-SREQ	I	Slave request and data input (Connected to MB90574 SLV DATA/REQ)
60	U-MREQ	O	Master request output (Connected to MB90574 DISPMR)
61	U-DATA	O	Master data output (Connected to MB90574 DISP DATA)
62	U-CLOCK	O	Master clock output (Connected to MB90574 DISPCLK)
63	AUBUS-IN	I	Audio bus input
64	—	–	Not used (Connected to Ground)
65	—	–	Not used (Connected to Ground)
66	—	–	Not used (Connected to Ground)
67	AUBUS-OUT	O	Audio bus output
68	—	–	Not used (Connected to Ground)
69	FUNCTION-UP	I	Function encoder up input
70	FUNCTION-DW	I	Function encoder down input
71	—	–	Not used (Connected to Ground)
72	SP-A	I	Speaker A selector switch input
73	SP-B	I	Speaker B selector switch input
74	POW-KEY IN	I	Power key input
75	—	–	Not used (Connected to Ground)
76	—	–	Not used (Connected to Ground)
77	RESET	I	Reset (Display MCU)
78	—	–	Not used (Connected to Ground)
79	—	–	Not used (Connected to Ground)
80	—	–	Not used (Connected to Ground)

Pin No.	Pin Name	I/O	Function
81	VSS	–	Ground (Connected to Ground)
82	X0	–	External ceramic filter 4 MHz is connected to this terminal
83	X1	–	External ceramic filter 4 MHz is connected to this terminal
84	VCC	–	Power supply +5 V
85	—	–	Not used. (Connected to Ground)
86	—	–	Not used. (Connected to Ground)
87	LED BASS. B	O	BASS. B display data output to LED
88	LED VOL	O	VOLUME display data output to LED
89	LED SOUND FIELD	O	SOUND FIELD display data output to LED
90	LED MUTE	O	MUTE display data output to LED
91	LED EQ ON/OFF	O	EQ ON/OFF display data output to LED
92	LED DOLBY DIGITAL	O	DOLBY/DIGITAL display data output to LED
93	MBUS-V1	I	V1 input from MBUS
94	MBUS-V 2	I	V2 input from MBUS
95	MBUS-TV	I	TV input from MBUS
96	MBUS-STATUS	I	STATUS input from MBUS
97	—	–	Not used. (Connected to Ground)
98	LAT	O	Learning microprocessor latch output
99	—	–	Not used. (Connected to Ground)
100	—	–	Not used. (Connected to Ground)

IC1101 CXD8495AQ (DIGITAL BOARD)

Pin No.	Pin Name	I/O	Function
1	DOUT/V	O	EIAJ data and parity flag output terminal (Not used)
2	EMPHA	O	Emphasis monitor output terminal (“H” = ON)
3	RC1	I	Input terminal for RC generator/oscillator
4	RC2	O	Output terminal for RC generator/oscillator
5	CCB/$\overline{\text{SUB}}$	I	Microprocessor I/F select input terminal (CCB: H, $\overline{\text{SUB}}$: L) (Connecting to Ground)
6	D. GND	–	Digital Ground
7	128/$\overline{256}$	O	Clock output select terminal (“L” = 256fs, “H” = 128fs) (Connecting to Ground)
8	384/512	I	Clock input select terminal (“H” = 512fs, “L” = 384fs)
9	TEST	I	Test terminal (normally ground)
10	TEST	I	Test terminal (normally ground)
11	RESET	I	Reset input terminal
12	D. 5V	–	Digital power supply
13	NC	–	No connect
14	A. 5V	–	Analog power supply
15	R	I	Input terminal for VCO generator band adjustment
16	A. GND	–	Analog Ground
17	VCO IN	I	Input terminal for VCO self running frequency set
18	VCO	O	External LPF for PLL is connected to this terminal
19	D. 5V	–	Digital power supply
20	SBSY	O	CD subcode I/F and block sync output terminal (Not used)
21	PW	O	CD subcode I/F and data output terminal (Not used)
22	SFSY	O	CD subcode I/F and frame sync output terminal (Not used)
23	SB CLK	I	CD subcode I/F and shift clock input terminal for data reading (Not used)
24	D. GND	–	Digital Ground
25	D. 5V	–	Digital power supply
26	XIN	I	Crystal oscillator input terminal
27	XOUT	O	Crystal oscillator output terminal
28	CLK OUT	O	VCO and crystal oscillator clock output terminal (Not used)
29	CLK OUT	O	256fs or 128fs clock output terminal (Select CLKMD terminal)
30	ERROR	O	Error mute output terminal
31	D. GND	–	Digital Ground
32	SUB1	O	Sampling frequency monitor output terminal
33	SUB2	O	Sampling frequency monitor output terminal
34	BCK	O	Bit clock output terminal
35	DATA OUT	O	Audio data output terminal
36	LRCK	O	L, R clock output terminal (L-ch: “H”, R-ch: “L”)
37	LD/DQSY	O	Microprocessor I/F and subcode Q data sync output terminal (Not used)
38	SRDT	O	Microprocessor I/F. When CCB/$\overline{\text{SUB}}$ is “L”, data output terminal (3-state output)
39	DO	O	Microprocessor I/F. When CCB/$\overline{\text{SUB}}$ is “H”, data output terminal (high level open drain output) (Not used)
40	DI/SWDT	I	Microprocessor I/F. Data input terminal
41	CE/XLAT	I	Microprocessor I/F. Chip enable/latch input terminal
42	CL/SCLK	I	Microprocessor I/F. Clock input terminal
43	D. 5V	–	Digital power supply
44	DIN1	I	Amplifier integrate data input terminal (Connecting to Ground)
45	DIN2	I	Amplifier integrate data input terminal (Connecting to Ground)
46	DIN3	I	Amplifier integrate data input terminal (Connecting to Ground)
47	DIN4	I	Amplifier integrate data input terminal
48	D. GND	–	Digital Ground

IC1201 MB90574PFV-G-146-BND (DIGITAL BOARD)

Pin No.	Pin Name	I/O	Function
1	—	–	Not used (Connected to Ground)
2	RESET	O	RF demodulator/DIR reset
3	CS	O	To AK4526 chip select
4	CCLK	O	To AK4526 clock
5	CDT1	I	From AK4526 data input
6	CDTO	O	To AK4526 data output
7	PD	O	To AK4526 reset
8	VCC	–	Power supply +5 V
9	SIN0	I	UART input. Used for rewriting flash memory
10	SOT0	O	UART output. Used for rewriting flash memory
11	—	–	Not used (Connected to Ground)
12	—	–	Not used (Not connected, open)
13	—	–	Not used (Not connected, open)
14	$\overline{\text{ANALOG}}$/DIG	O	Analog/digital selection (74HC157)
15	SCDIN	O	To CS4926 data output
16	SCLK	O	To CS4926 clock
17	CS	O	To CS4926 chip select
18	SCDIO/OUT	O	To CS4926 SPI data output
19	INTREQ	I	From CS4926 interrupt request
20	RESET	O	To CS4926 reset
21	XHDWR	O	To CXD2712 data write
22	XHDRD	O	To CXD2712 data read
23	HRDY	I	From CXD2712 ready
24	XHDCS	O	To CXD2712 chip select
25	HD 0	O	To CXD2712 data output
26	HD 1	O	To CXD2712 data output
27	HD 2	O	To CXD2712 data output
28	HD 3	O	To CXD2712 data output
29	HD 4	O	To CXD2712 data output
30	HD 5	O	To CXD2712 data output
31	HD 6	O	To CXD2712 data output
32	HD 7	O	To CXD2712 HD7
33	VSS	–	Ground (Connected to Ground)
34	C	–	External power regulator capacitor 0.1µ is connected to this terminal.
35	HA0	O	To CXD2712 address
36	XRST	O	To CXD2712 reset
37	SOD	I	From CXD2712 LFE detection
38	DVCC	–	Digital power supply +5 V
39	DVSS	–	Digital Ground (Connected to Ground)
40	—	–	Not used (Connected to Ground)

Pin No.	Pin Name	I/O	Function
41	—	–	Not used (Connected to Ground)
42	AVCC	–	Analog power supply +5 V
43	AVR+	–	Power supply +5 V
44	AVR–	–	Ground (Connected to Ground)
45	AVSS	–	Ground (Connected to Ground)
46	—	–	Not used (Connected to Ground)
47	—	–	Not used (Connected to Ground)
48	EVSTB	O	To TC9299 strobe
49	EVDATA	O	To TC9299 data
50	EVCLK	O	To TC9299 clock
51	DISPMR	I	Display master request (Connected to MB90553 U.MREQ)
52	DISPDATA	I	Display data (Connected to MB90553 U.DATA)
53	SLV DTA/REQ	O	Slave data/request (Connected to MB90553 U.SREQ)
54	VCC	–	Power supply +5 V
55	DISP CLK	I	Display clock (Connected to MB90553 U.CLOCK)
56	LAT	O	To tuner TM301 latch
57	DATA	O	To tuner TM301 data
58	CLK	O	To tuner TM301 clock
59	—	–	Not used (Connected to Ground)
60	DATA IN	I	PLL data input
61	AUSTOP	I	Auto stop input
62	STEREO	I	Stereo input
63	VSS	–	Ground (Connected to Ground)
64	STOP	I	AC power check
65	CCB/SUB	I	Not used (Connected to Ground)
66	EMPHA	I	Not used (Connected to Ground)
67	ERROR	O	Error output to CXD8495AQ
68	SUB 1	I	Not used (Connected to Ground)
69	SUB 2	I	Not used (Connected to Ground)
70	—	–	Not used (Connected to Ground)
71	—	–	Not used (Connected to Ground)
72	$\overline{U}$/CED	I	U or CED (STR only)
73	—	–	Not used (Not connected, open)
74	—	–	Not used (Not connected, open)
75	SRDT	I	To CXD8495AQ C-bit
76	SWDT	O	To CXD8495AQ data
77	XLAT	O	To CXD8495AQ latch
78	SCLK	O	To CXD8495AQ clock
79	PROTEC	I	Protector input
80	VIDEO-INH	O	Video output inhibit

Pin No.	Pin Name	I/O	Function
81	VIDEO-A	O	To NJM2296 video select A
82	VIDEO-B	O	To NJM2296 video select B
83	VIDEO-E	O	To NJM2296 video select E
84	ACMUTE	O	IC muting
85	FUNMUTE	O	Function muting
86	HSTX	–	Hardware standby (Connected to power supply +5 V)
87	MD 2	–	MD2 (To MB90553 MD2)
88	MD 1	–	MD1 (Connect to power supply)
89	MD 0	–	MD0 (To MB90553 MD0)
90	RESET	I	Reset (Connected to MB90553 U.RESET)
91	VSS	–	Ground (Connected to Ground)
92	X 0	–	External ceramic filter 4 MHz is connected to this terminal
93	X 1	–	External ceramic filter 4 MHz is connected to this terminal
94	VCC	–	Power supply +5 V
95	P 00	I	Flash memory rewrite (Connected to Ground)
96	P 01	I	Flash memory rewrite (Connected to Ground)
97	TUNER MUTE	O	Tuner muting
98	SURR MUTE	O	Surround muting (Connected to Ground)
99	925,919/725,825,818	I	Input terminal for switching AUDIO DECODER which is using (Connected to Ground)
100	—	–	Not used (Connected to Ground)
101	RY-FRONT/A	O	Front speaker A relay
102	RY-FRONT/B	O	Front speaker B relay
103	RY-CENTER	O	Center speaker relay
104	RY-REAR	O	Rear speaker relay
105	WOOFER-RY	O	Sub Woofer relay
106	RY-HP	O	Head phone relay
107	RY-POWER	O	Power relay
108	RY-DIR-PASS	O	Direct pass relay
109	DIG-IN 2	I	Digital input select 2 (74HC151)
110	DIG-IN 1	I	Digital input select 1 (74HC151)
111	DIG-IN 0	I	Digital input select 0 (74HC151)
112	TEST 0	–	Test port 0 (Not connected, open)
113	TEST 1	–	Test port 1 (Not connected, open)
114	TEST 2	–	Test port 2 (Not connected, open)
115	—	–	Not used (Connected to Ground)
116	—	–	Not used (Connected to Ground)
117	—	–	Not used (Connected to Ground)
118	—	–	Not used (Connected to Ground)
119	VSS	–	Ground (Connected to Ground)
120	—	–	Not used (Connected to Ground)

IC1401 CXD2712R (DIGITAL BOARD)

Pin No.	Pin Name	I/O	Function
1	VSS3	–	Ground
2 to 5	SOA to SOD	O	Serial data output
6, 7	ECJ0, ECJ1	I	Conditional jump input terminal (7pin Connected to Ground)
8	—	NC	No connection
9	XHDWR	I	HCIF data write
10	XHDRD	I	HCIF data read
11	VSS4	–	Ground
12	VDD2	–	+3.3V
13	HRDY	O	HCIF ready signal Open drain
14	XHDCS	I	HCIF chip select
15	HA0	I	HCIF address input
16 to 20	HD0 to HD4	I/O	HCIF data input/output
21	VSS5	–	Ground
22	VDD3	–	+3.3V
23 to 25	HD5 to HD7	I/O	HCIF data input/output
26	XRST	I	Reset input “L”: active
27 to 30	FGP0 to FGP3	O	Test data output
31	VSS6	–	Ground
32 to 40	ED0 to ED8	I/O	External RAM data input/output
41	VSS7	–	Ground
42	VDD4	–	+3.3V
43 to 49	ED9 to ED15	I/O	External RAM data input/output
50	TSTD	I	Test data input “L” = normal “H” = test (Connected to Ground)
51	VSS8	–	Ground
52	VDD5	–	+3.3V
53 to 60	ED16 to ED23	I/O	External RAM data input/output
61	VSS9	–	Ground
62 to 69	ED24 to ED31	I/O	External RAM data input/output
70	XOE	O	External RAM output enable
71	VSS10	–	Ground
72	VDD6	–	+3.3V
73	CAS	O	External RAM column address strobe (Not used)
74	XWE	O	External RAM write enable (Not used)
75	RAS	O	External RAM raw address strobe
76 to 80	EA0 to EA4	I/O	External RAM address output/test data input
81	VSS11	–	Ground
82	VDD7	–	+3.3V
83 to 89	EA5 to EA11	I/O	External RAM address output/test data input
90	EA12	O	External RAM address output

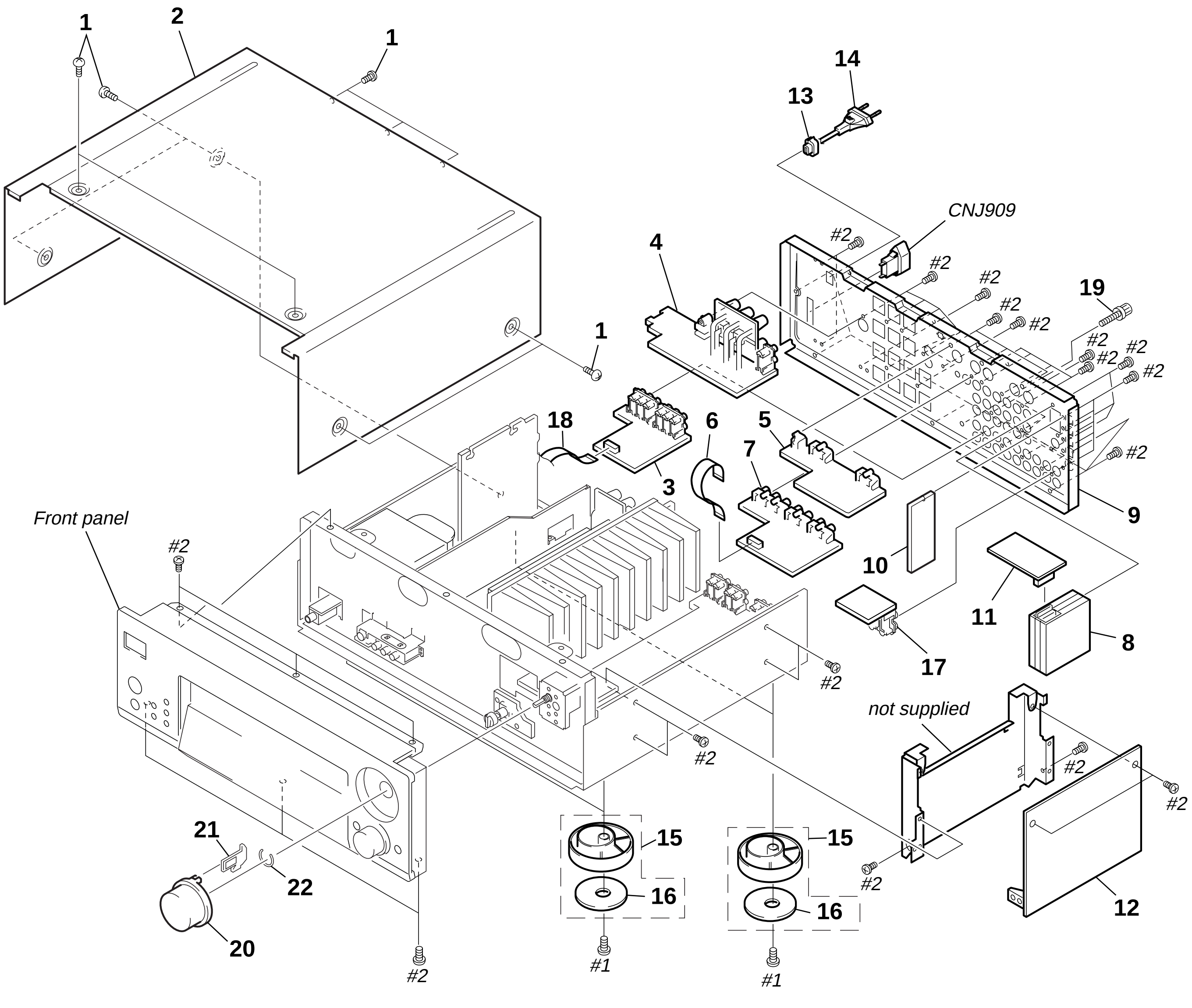
Pin No.	Pin Name	I/O	Function
91	VSS0	–	Ground
92 to 94	EA13 to EA15	O	External RAM address output
95	EA16	O	Not used
96	TSTA	I	Test data input “L” = normal “H” = test (Connecting to Ground)
97	PLDIVF	I	PLL input frequency select “L” = 256Fs “H” = 128Fs (Connecting to Ground)
98	PLDIVB	O	PLL output frequency select “L” = 768Fs “H” = 1024Fs (Connecting to Ground)
99	CLKI	I	Master clock input
100	CLKO	O	Master clock output (Not used)
101	VSS1	–	Ground
102	VDD0	–	+3.3V
103	AVSS	–	Ground for PLL cell
104	AVDD	–	VDD for PLL cell
105	PLLCK	I/O	PLL output/test clock input
106	XPLLEN	I	PLL cell oscillation enable “L” oscillation enable “H” oscillation stop (Connecting to Ground)
107	TST	I	Test data input “L” = normal “H” = test (Connecting to Ground)
108	LRCT	I	Frequency counter input (Connecting to Ground)
109	LROUT	O	LRCK0 divider output
110	BKOUT	O	BCK0 divider output
111	VSS2	–	Ground
112	VDD1	–	+3.3V
113	BCK0	I	BCK input
114	BCK1	I	BCK input
115	LRCK0	I	LRCK input
116	LRCK1	I	LRCK input
117 to 120	SIA to SID	I	Serial data input

SECTION 4
EXPLODED VIEWS

NOTE:
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE)
  ↑
  Cabinet's color
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

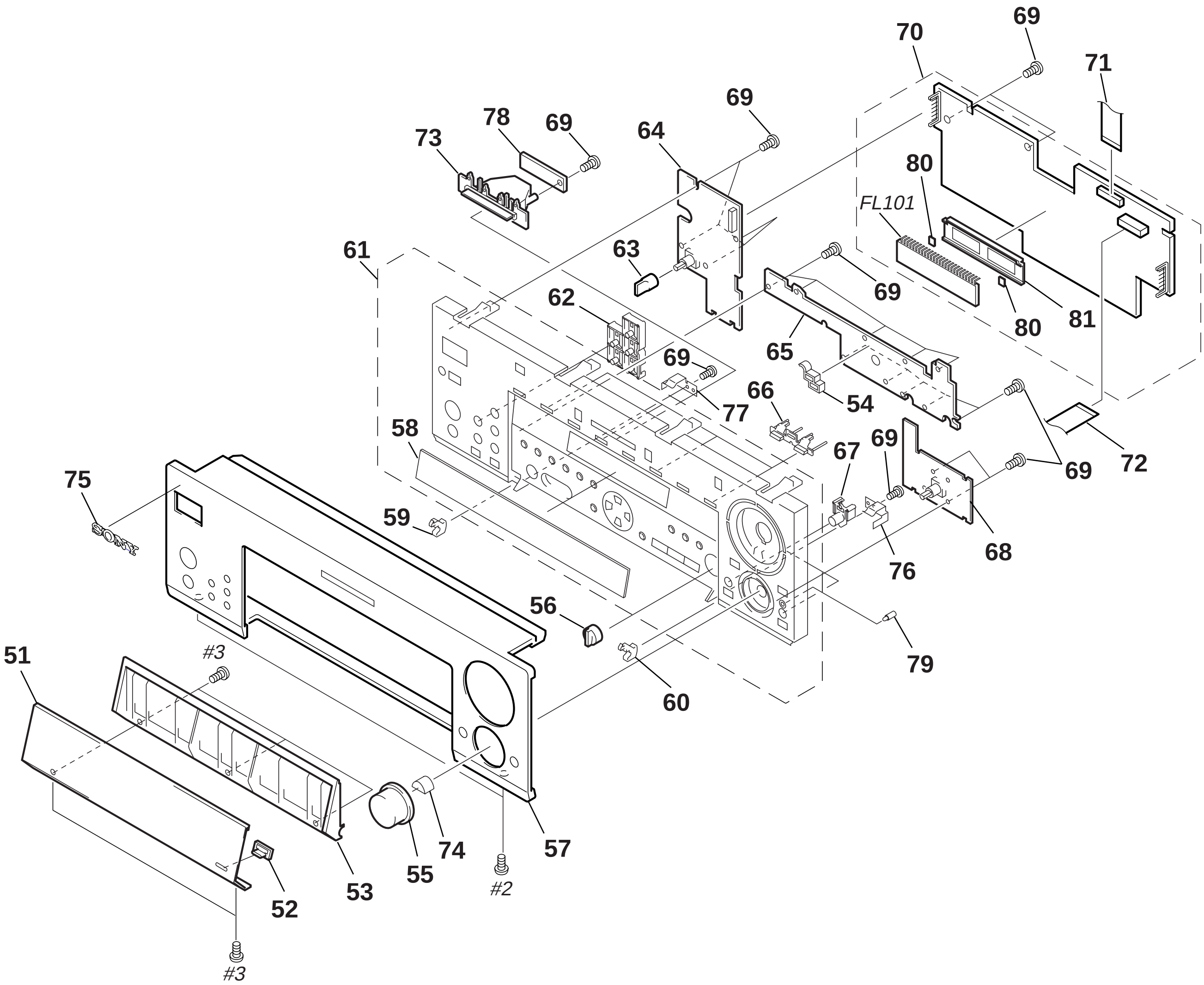
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

4-1. CASE AND BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	4-210-291-01	SCREW (CASE 3 TP2)(BLACK)	
1	4-210-291-11	SCREW (CASE 3 TP2)(SILVER)	
* 2	X-4950-431-1	CASE ASSY (BLACK)	
* 2	X-4950-432-1	CASE ASSY (SILVER)	
* 3	1-670-001-11	AUDIO BOARD	
* 4	A-4414-113-A	SP-S BOARD, COMPLETE	
* 5	1-670-004-11	S-VIDEO BOARD	
6	1-769-904-11	WIRE (FLAT TYPE)(9 CORE)	
* 7	1-670-003-11	VIDEO BOARD	
8	1-693-409-11	TUNER	
* 9	4-900-493-21	PANEL, BACK	
* 10	1-670-029-11	D.IN/OUT BOARD	
* 11	1-670-000-11	TUNER BOARD	
* 12	A-4414-117-A	DIGITAL BOARD, COMPLETE	
* 13	3-703-244-00	BUSHING (2104), CORD	
⚠ 14	1-769-744-11	CORD, POWER	
15	X-4949-523-1	FOOT ASSY (F50180S)	
16	4-970-124-01	CUSHION (F50180S)	
* 17	1-670-022-11	5.1 IN BOARD	
18	1-769-876-11	WIRE (FLAT TYPE)(7 CORE)	
19	4-947-010-01	SCREW, FEEDER FIXED	
20	X-3375-592-1	KNOB (VOL) ASSY (BLACK)	
20	X-4950-340-1	KNOB (VOL) ASSY (SILVER)	
21	4-998-207-11	INDICATOR (VOL)	
22	3-350-426-01	SPRING, RING	
⚠ CNJ909	1-526-794-11	OUTLET, AC	

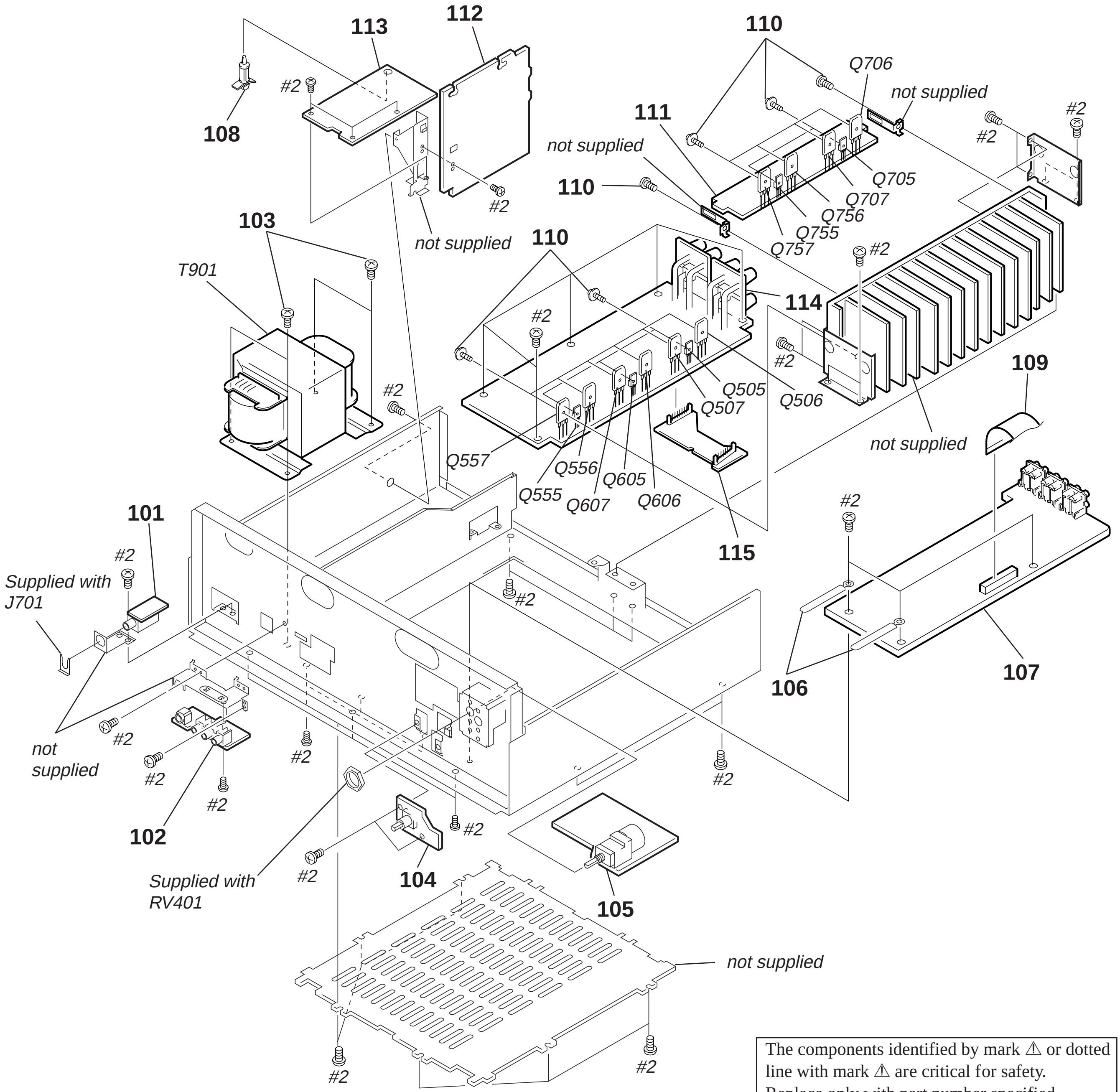
4-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	4-900-570-01	ESCUTCHEON (A-LID)(BLACK)	
51	4-900-570-11	ESCUTCHEON (A-LID)(SILVER)	
52	4-900-492-01	KNOB (LID)	
* 53	4-900-569-01	ESCUTCHEON (M-LID)	
* 54	4-900-579-01	COVER (STI)	
55	X-4948-601-1	KNOB (FUNC) ASSY (BLACK)	
55	X-4950-280-1	KNOB (FUNC) ASSY (SILVER)	
56	4-900-500-01	KNOB (BAL)(BLACK)	
56	4-900-500-11	KNOB (BAL)(SILVER)	
57	4-900-568-01	PANEL, FRONT (BLACK)	
57	4-900-568-31	PANEL, FRONT (SILVER)	
58	4-900-566-01	WINDOW	
59	4-900-572-11	FULCRUM (L)	
60	4-900-571-11	FULCRUM (R)	
61	X-3375-590-1	BASE ASSY, PANEL (BLACK)	
61	X-4950-278-1	BASE ASSY, PANEL (SILVER)	
62	4-900-563-01	BUTTON (5)(BLACK)	
62	4-900-563-11	BUTTON (5)(SILVER)	
63	4-957-383-01	KNOB (F14)	
* 64	1-670-018-11	SP SW BOARD	

Ref. No.	Part No.	Description	Remark
* 65	1-670-017-11	SW BOARD	
66	4-900-565-01	INDICATOR (2)	
67	4-900-491-01	BUTTON (MUTE)	
* 68	1-670-023-11	ROTARY BOARD	
69	4-951-620-01	SCREW (2.6X8), +BVTP	
* 70	A-4414-097-A	DISPLAY BOARD, COMPLETE	
71	1-773-163-11	WIRE (FLAT TYPE)(21 CORE)	
72	1-769-961-11	WIRE (FLAT TYPE)(11 CORE)	
73	X-3375-588-1	ESCUTCHEON (WIN) ASSY	
74	3-703-466-00	SPRING (6600)	
75	4-942-568-41	EMBLEM (NO.5), SONY	
76	4-900-577-01	SPRING (1)(R)	
77	4-900-576-01	SPRING (1)(L)	
* 78	1-670-024-11	LED BOARD	
79	4-999-431-01	LENS, LED	
* 80	4-921-941-01	CUSHION (FL)	
* 81	4-990-797-01	HOLDER (FL)	
FL101	1-517-781-11	INDICATOR TUBE, FLUORESCENT	

4-3. CHASSIS SECTION



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
* 101	1-670-006-11	H.P BOARD	
* 102	1-670-021-11	F-VIDEO BOARD	
103	4-900-386-01	SCREW	
* 104	1-670-020-11	BALANCE BOARD	
* 105	1-670-019-11	VOLUME BOARD	
106	3-703-397-01	STOPPER, WIRING	
* 107	A-4414-095-A	INPUT BOARD, COMPLETE	
* 108	4-924-098-31	HOLDER, PC BOARD	
109	1-773-285-11	WIRE (FLAT TYPE)(29 CORE)	
110	3-905-609-11	SCREW (TRANSISTOR)	
* 111	A-4414-112-A	REAR AMP BOARD, COMPLETE	
* 112	1-669-998-11	AC BOARD	
* 113	A-4414-109-A	REG BOARD, COMPLETE	
* 114	A-4414-094-A	AMP BOARD, COMPLETE	
* 115	1-670-032-11	JOINT BOARD	
Q505	8-729-209-15	TRANSISTOR 2SD2012	
Q506	8-749-010-25	IC MN2488-OPY-M	
Q507	8-749-010-26	IC MP1620-OPY-M	
Q555	8-729-209-15	TRANSISTOR 2SD2012	
Q556	8-749-010-25	IC MN2488-OPY-M	
Q557	8-749-010-26	IC MP1620-OPY-M	
Q605	8-729-209-15	TRANSISTOR 2SD2012	
Q606	8-749-010-25	IC MN2488-OPY-M	
Q607	8-749-010-26	IC MP1620-OPY-M	
Q705	8-729-209-15	TRANSISTOR 2SD2012	
Q706	8-749-010-25	IC MN2488-OPY-M	
Q707	8-749-010-26	IC MP1620-OPY-M	
Q755	8-729-209-15	TRANSISTOR 2SD2012	
Q756	8-749-010-25	IC MN2488-OPY-M	
Q757	8-749-010-26	IC MP1620-OPY-M	
⚠T901	1-431-889-11	TRANSFORMER, POWER	

5.1 IN | AC | AMP

SECTION 5
ELECTRICAL PARTS LIST

Note:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μ A..., uPA...: μ PA..., uPB...: μ PB..., uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
  uF : μ F
- COILS
  uH : μ H

Ref. No.	Part No.	Description			Remark
*	1-670-022-11	5.1 IN BOARD			
		************			
		< CAPACITOR >			
CC40	1-162-282-31	CERAMIC	100PF	10%	50V
CC41	1-162-282-31	CERAMIC	100PF	10%	50V
CC42	1-162-282-31	CERAMIC	100PF	10%	50V
CC45	1-162-282-31	CERAMIC	100PF	10%	50V
CC46	1-162-282-31	CERAMIC	100PF	10%	50V
CC47	1-162-282-31	CERAMIC	100PF	10%	50V
		< JACK >			
J430	1-784-983-11	JACK, PIN 6P (5.1/DVD INPUT)			
		< RESISTOR >			
R430	1-249-417-11	CARBON	1K	5%	1/4W F
R431	1-249-417-11	CARBON	1K	5%	1/4W F
R432	1-249-417-11	CARBON	1K	5%	1/4W F
R480	1-249-417-11	CARBON	1K	5%	1/4W F
R481	1-249-417-11	CARBON	1K	5%	1/4W F
R482	1-249-417-11	CARBON	1K	5%	1/4W F
**					
*	1-669-998-11	AC BOARD			
		********			
		< CONNECTOR >			
* CNP905	1-580-230-21	PIN, CONNECTOR (PC BOARD) 2P			
CNP915	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CNV901	1-564-321-00	PIN, CONNECTOR 2P			
* CNV902	1-565-792-11	PIN, CONNECTOR 2P			
		< DIODE >			
D907	8-719-911-19	DIODE 1SS119			
		< BRACKET >			
E7	4-924-906-31	BRACKET			
E8	4-924-906-31	BRACKET			
		< FUSE >			
⚠F901	1-532-504-51	FUSE, TIME-LAG (4A/250V)			
⚠F903	1-532-464-51	FUSE, TIME-LAG (2.5A/250V)			
		< FUSE HOLDER >			
FH901	1-533-399-31	HOLDER, FUSE			
FH903	1-533-399-31	HOLDER, FUSE			
FH951	1-533-399-31	HOLDER, FUSE			
FH953	1-533-399-31	HOLDER, FUSE			
		< RELAY >			
RY901	1-515-999-11	RELAY, POWER			
		< TRANSFORMER >			
⚠T902	1-431-387-11	TRANSFORMER, POWER			
**					
*	A-4414-094-A	AMP BOARD, COMPLETE			
		******************			
		< CAPACITOR >			
C505	1-126-101-11	ELECT	100uF	20%	16V
C520	1-126-022-11	ELECT	47uF	20%	16V
C521	1-107-597-11	CERAMIC	22PF	10%	500V
C522	1-107-597-11	CERAMIC	22PF	10%	500V
C523	1-162-286-31	CERAMIC	220PF	10%	50V
C524	1-126-059-11	ELECT	10uF	20%	50V
C525	1-136-157-00	FILM	0.022uF	5%	50V
C526	1-136-153-00	FILM	0.01uF	5%	50V
C570	1-126-022-11	ELECT	47uF	20%	16V
C571	1-107-597-11	CERAMIC	22PF	10%	500V
C572	1-107-597-11	CERAMIC	22PF	10%	500V
C573	1-162-286-31	CERAMIC	220PF	10%	50V
C574	1-126-059-11	ELECT	10uF	20%	50V
C575	1-136-157-00	FILM	0.022uF	5%	50V
C576	1-136-153-00	FILM	0.01uF	5%	50V
C590	1-124-472-11	ELECT	470uF	20%	10V
C598	1-126-233-11	ELECT	22uF	20%	50V
C620	1-126-022-11	ELECT	47uF	20%	16V
C621	1-107-597-11	CERAMIC	22PF	10%	500V
C622	1-107-597-11	CERAMIC	22PF	10%	500V
C623	1-162-286-31	CERAMIC	220PF	10%	50V
C625	1-136-157-00	FILM	0.022uF	5%	50V
C801	1-104-664-11	ELECT	47uF	20%	25V
C803	1-125-997-11	ELECT	12000uF	20%	63V
C804	1-125-997-11	ELECT	12000uF	20%	63V
C805	1-130-781-00	FILM	0.22uF	10%	100V
C806	1-130-781-00	FILM	0.22uF	10%	100V
C807	1-126-967-11	ELECT	47uF	20%	50V
C808	1-126-967-11	ELECT	47uF	20%	50V
C811	1-126-041-11	ELECT	2200uF	20%	35V
C812	1-126-105-11	ELECT	1000uF	20%	35V

Ref. No.	Part No.	Description			Remark
C813	1-126-022-11	ELECT	47uF	20%	16V
CC48	1-136-153-00	FILM	0.01uF	5%	50V
CC49	1-136-153-00	FILM	0.01uF	5%	50V
CC98	1-136-153-00	FILM	0.01uF	5%	50V
CC99	1-136-153-00	FILM	0.01uF	5%	50V
		< CONNECTOR >			
CNP751	1-779-978-11	PIN, CONNECTOR 3P			
* CNP801	1-564-243-11	PIN, CONNECTOR 6P			
* CNP802	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P			
CNP805	1-784-923-11	PIN, CONNECTOR 7P			
CNP806	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNS651	1-784-806-11	HOUSING,CONNECTOR(PC BOARD)13P			
		< DIODE >			
D501	8-719-911-19	DIODE 1SS119			
D502	8-719-109-51	DIODE RD2.0ES-B2			
D503	8-719-109-51	DIODE RD2.0ES-B2			
D504	8-719-911-19	DIODE 1SS119			
D505	8-719-911-19	DIODE 1SS119			
D506	8-719-911-19	DIODE 1SS119			
D545	8-719-911-19	DIODE 1SS119			
D546	8-719-911-19	DIODE 1SS119			
D547	8-719-911-19	DIODE 1SS119			
D548	8-719-911-19	DIODE 1SS119			
D549	8-719-911-19	DIODE 1SS119			
D551	8-719-911-19	DIODE 1SS119			
D552	8-719-109-51	DIODE RD2.0ES-B2			
D553	8-719-109-51	DIODE RD2.0ES-B2			
D554	8-719-911-19	DIODE 1SS119			
D555	8-719-911-19	DIODE 1SS119			
D556	8-719-911-19	DIODE 1SS119			
D601	8-719-911-19	DIODE 1SS119			
D602	8-719-109-51	DIODE RD2.0ES-B2			
D603	8-719-109-51	DIODE RD2.0ES-B2			
D604	8-719-911-19	DIODE 1SS119			
D608	8-719-911-19	DIODE 1SS119			
D801	8-719-302-37	DIODE RBV-602			
D802	8-719-024-99	DIODE 11ES2-NTA2B			
D803	8-719-024-99	DIODE 11ES2-NTA2B			
D804	8-719-024-99	DIODE 11ES2-NTA2B			
D805	8-719-024-99	DIODE 11ES2-NTA2B			
D806	8-719-160-26	DIODE RD5.6F-B2			
D807	8-719-934-22	DIODE HZS30-2L			
		< GROUND TERMINAL >			
* EB701	1-537-738-21	TERMINAL, EARTH			
* EB702	1-537-738-21	TERMINAL, EARTH			
		< FUSE >			
⚠F801	1-532-506-51	FUSE, TIME-LAG (6.3A/250V)			
⚠F802	1-532-506-51	FUSE, TIME-LAG (6.3A/250V)			
⚠F803	1-532-504-51	FUSE, TIME-LAG (4A/250V)			
⚠F804	1-532-504-51	FUSE, TIME-LAG (4A/250V)			

Ref. No.	Part No.	Description			Remark
		< FUSE HOLDER >			
FH801	1-533-293-11	FUSE HOLDER			
FH802	1-533-293-11	FUSE HOLDER			
FH803	1-533-293-11	FUSE HOLDER			
FH804	1-533-293-11	FUSE HOLDER			
FH851	1-533-293-11	FUSE HOLDER			
FH852	1-533-293-11	FUSE HOLDER			
FH853	1-533-293-11	FUSE HOLDER			
FH854	1-533-293-11	FUSE HOLDER			
		< IC >			
IC809	8-759-708-05	IC NJM78L05A			
		< COIL >			
L501	1-411-906-11	COIL, AIR-CORE			
L551	1-411-906-11	COIL, AIR-CORE			
		< TRANSISTOR >			
Q504	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q508	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q509	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q510	8-729-900-63	TRANSISTOR DTA124ES			
Q511	8-729-900-63	TRANSISTOR DTA124ES			
Q546	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q547	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA			
Q548	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q549	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q554	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q558	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q559	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q560	8-729-900-63	TRANSISTOR DTA124ES			
Q561	8-729-900-63	TRANSISTOR DTA124ES			
Q596	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q601	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q608	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q613	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q616	8-729-900-36	TRANSISTOR DTC124ES			
Q801	8-729-026-68	TRANSISTOR 2SD2525(TP)			
		< RESISTOR >			
R521	1-249-422-11	CARBON	2.7K	5%	1/4W F
R522	1-249-433-11	CARBON	22K	5%	1/4W
R523	1-249-414-11	CARBON	560	5%	1/4W F
⚠R524	1-249-408-11	CARBON	180	5%	1/4W F
⚠R525	1-249-408-11	CARBON	180	5%	1/4W F
⚠R526	1-233-352-41	ENCAPSULATED	COMPONENT		
R527	1-247-850-11	CARBON	6.2K	5%	1/4W
R528	1-249-419-11	CARBON	1.5K	5%	1/4W F
R529	1-247-866-11	CARBON	30K	5%	1/4W
R530	1-249-422-11	CARBON	2.7K	5%	1/4W F
R531	1-249-433-11	CARBON	22K	5%	1/4W
R532	1-249-437-11	CARBON	47K	5%	1/4W
⚠R533	1-249-393-11	CARBON	10	5%	1/4W F
⚠R534	1-249-389-11	CARBON	4.7	5%	1/4W F
R535	1-249-431-11	CARBON	15K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
R539	1-249-427-11	CARBON	6.8K	5%	1/4W F
R540	1-249-417-11	CARBON	1K	5%	1/4W F
R541	1-249-429-11	CARBON	10K	5%	1/4W
R542	1-249-429-11	CARBON	10K	5%	1/4W
R547	1-249-425-11	CARBON	4.7K	5%	1/4W F
R548	1-249-429-11	CARBON	10K	5%	1/4W
⚠R549	1-249-407-11	CARBON	150	5%	1/4W F
R555	1-247-881-00	CARBON	120K	5%	1/4W
R556	1-247-881-00	CARBON	120K	5%	1/4W
R571	1-249-422-11	CARBON	2.7K	5%	1/4W F
R572	1-249-433-11	CARBON	22K	5%	1/4W
R573	1-249-414-11	CARBON	560	5%	1/4W F
⚠R574	1-249-408-11	CARBON	180	5%	1/4W F
⚠R575	1-249-408-11	CARBON	180	5%	1/4W F
⚠R576	1-233-352-41	ENCAPSULATED	COMPONENT		
R577	1-247-850-11	CARBON	6.2K	5%	1/4W
R578	1-249-419-11	CARBON	1.5K	5%	1/4W F
R579	1-247-866-11	CARBON	30K	5%	1/4W
R580	1-249-422-11	CARBON	2.7K	5%	1/4W F
R581	1-249-433-11	CARBON	22K	5%	1/4W
R582	1-249-437-11	CARBON	47K	5%	1/4W
⚠R583	1-249-393-11	CARBON	10	5%	1/4W F
⚠R584	1-249-389-11	CARBON	4.7	5%	1/4W F
R585	1-249-431-11	CARBON	15K	5%	1/4W
R586	1-249-429-11	CARBON	10K	5%	1/4W
R587	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠R588	1-249-393-11	CARBON	10	5%	1/4W F
R621	1-249-422-11	CARBON	2.7K	5%	1/4W F
R622	1-247-880-00	CARBON	120K	5%	1/4W
⚠R623	1-249-414-11	CARBON	560	5%	1/4W F
⚠R624	1-249-408-11	CARBON	180	5%	1/4W F
⚠R625	1-249-408-11	CARBON	180	5%	1/4W F
⚠R626	1-233-352-41	ENCAPSULATED	COMPONENT		
R627	1-247-850-11	CARBON	6.2K	5%	1/4W
R628	1-249-419-11	CARBON	1.5K	5%	1/4W F
R632	1-249-437-11	CARBON	47K	5%	1/4W
R633	1-249-393-11	CARBON	10	5%	1/4W F
⚠R642	1-215-887-00	METAL OXIDE	470	5%	2W F
R643	1-249-441-11	CARBON	100K	5%	1/4W
R650	1-249-425-11	CARBON	4.7K	5%	1/4W F
R657	1-249-429-11	CARBON	10K	5%	1/4W
⚠R658	1-249-393-11	CARBON	10	5%	1/4W F
R672	1-249-433-11	CARBON	22K	5%	1/4W
⚠R739	1-215-868-00	METAL OXIDE	680	5%	1W F
⚠R789	1-215-868-00	METAL OXIDE	680	5%	1W F
R801	1-247-843-11	CARBON	3.3K	5%	1/4W
⚠R802	1-249-401-11	CARBON	47	5%	1/4W F
⚠RR48	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR49	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR98	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR99	1-249-393-11	CARBON	10	5%	1/4W F
		< RELAY >			
RY501	1-515-920-11	RELAY (24V)			
RY502	1-515-920-11	RELAY (24V)			
RY602	1-515-793-11	RELAY			

Ref. No.	Part No.	Description			Remark
		< TERMINAL >			
TM501	1-694-429-21	TERMINAL BOARD (SP)(SPEAKERS FRONT)			

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Ref. No.	Part No.	Description			Remark
*	1-670-001-11	AUDIO BOARD ***********			
		< CAPACITOR >			
C396	1-126-022-11	ELECT	47uF	20%	16V
C397	1-126-022-11	ELECT	47uF	20%	16V
C398	1-162-282-31	CERAMIC	100PF	10%	50V
C399	1-162-294-31	CERAMIC	0.001uF	10%	50V
CC08	1-162-282-31	CERAMIC	100PF	10%	50V
CC09	1-162-282-31	CERAMIC	100PF	10%	50V
CC10	1-162-282-31	CERAMIC	100PF	10%	50V
CC11	1-162-282-31	CERAMIC	100PF	10%	50V
CC12	1-162-282-31	CERAMIC	100PF	10%	50V
CC13	1-162-282-31	CERAMIC	100PF	10%	50V
CC58	1-162-282-31	CERAMIC	100PF	10%	50V
CC59	1-162-282-31	CERAMIC	100PF	10%	50V
CC60	1-162-282-31	CERAMIC	100PF	10%	50V
CC61	1-162-282-31	CERAMIC	100PF	10%	50V
CC62	1-162-282-31	CERAMIC	100PF	10%	50V
CC63	1-162-282-31	CERAMIC	100PF	10%	50V
		< CONNECTOR >			
CNJ701	1-774-136-11	CONNECTOR, ROUND TYPE 6P			
CNS351	1-784-729-11	CONNECTOR, FFC 7P			
		< IC >			
IC303	8-759-805-14	IC LC7822			
		< JACK >			
J304	1-784-920-11	JACK, PIN 6P (VIDEO2 AUDIO IN/ VIDEO1 AUDIO OUT/VIDEO1 AUDIO IN)			
J305	1-784-920-11	JACK, PIN 6P (TV/LD AUDIO IN/ DVD AUDIO IN/VIDEO2 AUDIO OUT)			
		< RESISTOR >			
R315	1-249-417-11	CARBON	1K	5%	1/4W F
R316	1-249-417-11	CARBON	1K	5%	1/4W F
R317	1-249-417-11	CARBON	1K	5%	1/4W F
R318	1-249-417-11	CARBON	1K	5%	1/4W F
R319	1-249-417-11	CARBON	1K	5%	1/4W F
R320	1-249-417-11	CARBON	1K	5%	1/4W F
R365	1-249-417-11	CARBON	1K	5%	1/4W F
R366	1-249-417-11	CARBON	1K	5%	1/4W F
R367	1-249-417-11	CARBON	1K	5%	1/4W F
R368	1-249-417-11	CARBON	1K	5%	1/4W F
R369	1-249-417-11	CARBON	1K	5%	1/4W F
R370	1-249-417-11	CARBON	1K	5%	1/4W F
R394	1-249-397-11	CARBON	22	5%	1/4W F
R395	1-249-397-11	CARBON	22	5%	1/4W F
R398	1-249-417-11	CARBON	1K	5%	1/4W F
R399	1-249-425-11	CARBON	4.7K	5%	1/4W F

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The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
*	1-670-020-11	BALANCE BOARD			
		*************			
		< CONNECTOR >			
CNP106	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< VARIABLE RESISTOR >			
RV402	1-225-650-11	RES, VAR, CARBON 100K/100K (BALANCE)			

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Ref. No.	Part No.	Description			Remark
*	1-670-029-11	D.IN/OUT BOARD			
		**************			
		< CAPACITOR >			
C1001	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1002	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1003	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1004	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1005	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1006	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1007	1-164-346-11	CERAMIC CHIP	1uF		16V
C1008	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1009	1-104-664-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CNS13	1-564-723-11	PIN, CONNECTOR (SMALL TYPE) 7P			
		< IC >			
IC1001	8-749-923-05	IC TORX178 (DIGITAL OPT TV/LD IN)			
IC1002	8-749-923-05	IC TORX178 (DIGITAL OPT DVD IN)			
IC1003	8-749-923-05	IC TORX178 (DIGITAL OPT MD/DAT IN)			
IC1004	8-749-923-04	IC TOTX178 (DIGITAL OPT MD/DAT OUT)			
IC1005	8-759-236-19	IC TC74HC151AF(EL)			
IC1006	8-759-235-19	IC TC74HC08AF(EL)			
IC1007	8-759-242-70	IC TC7WU04F			
		< JACK >			
J1001	1-779-382-11	JACK, PIN 1P (DIGITAL DVD COAX)			
		< RESISTOR >			
R1001	1-216-022-00	METAL CHIP	75	5%	1/10W
R1002	1-216-022-00	METAL CHIP	75	5%	1/10W
R1003	1-216-022-00	METAL CHIP	75	5%	1/10W
R1004	1-216-022-00	METAL CHIP	75	5%	1/10W
R1005	1-216-025-91	RES,CHIP	100	5%	1/10W
R1006	1-216-025-91	RES,CHIP	100	5%	1/10W
R1007	1-216-025-91	RES,CHIP	100	5%	1/10W
R1008	1-216-022-00	METAL CHIP	75	5%	1/10W
R1009	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1010	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1011	1-216-025-91	RES,CHIP	100	5%	1/10W
R1013	1-216-115-00	METAL CHIP	560K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
*	A-4414-117-A	DIGITAL BOARD, COMPLETE			
		***********************			
		< CAPACITOR >			
C1101	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1102	1-126-022-11	ELECT	47uF	20%	16V
C1103	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1104	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1105	1-126-022-11	ELECT	47uF	20%	16V
C1106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1107	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C1108	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1109	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C1110	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C1111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1112	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1113	1-126-059-11	ELECT	10uF	20%	50V
C1114	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1115	1-126-059-11	ELECT	10uF	20%	50V
C1116	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1117	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1118	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1119	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1120	1-126-059-11	ELECT	10uF	20%	50V
C1121	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1122	1-126-233-11	ELECT	22uF	20%	50V
C1123	1-106-347-00	MYLAR	1500PF	5%	200V
C1124	1-126-233-11	ELECT	22uF	20%	50V
C1125	1-126-233-11	ELECT	22uF	20%	50V
C1126	1-126-233-11	ELECT	22uF	20%	50V
C1127	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1128	1-126-233-11	ELECT	22uF	20%	50V
C1129	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1130	1-126-233-11	ELECT	22uF	20%	50V
C1131	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1132	1-126-233-11	ELECT	22uF	20%	50V
C1133	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1134	1-126-233-11	ELECT	22uF	20%	50V
C1135	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1136	1-126-233-11	ELECT	22uF	20%	50V
C1137	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1138	1-126-233-11	ELECT	22uF	20%	50V
C1139	1-126-022-11	ELECT	47uF	20%	16V
C1140	1-126-022-11	ELECT	47uF	20%	16V
C1141	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1142	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1143	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1170	1-126-059-11	ELECT	10uF	20%	50V
C1171	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1172	1-126-233-11	ELECT	22uF	20%	50V
C1173	1-106-347-00	MYLAR	1500PF	5%	200V
C1174	1-126-233-11	ELECT	22uF	20%	50V
C1175	1-126-233-11	ELECT	22uF	20%	50V
C1176	1-126-233-11	ELECT	22uF	20%	50V
C1201	1-126-059-11	ELECT	10uF	20%	50V
C1202	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1203	1-165-319-11	CERAMIC CHIP	0.1uF		50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C1204	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1205	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1206	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1207	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1208	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1209	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1210	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1211	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1212	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1213	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1214	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1215	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1216	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1217	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1302	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1303	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1304	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1306	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1307	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1308	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1312	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1401	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1402	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1403	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1404	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1405	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1406	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1407	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1408	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1409	1-124-443-00	ELECT	100uF	20%	10V
C1410	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1411	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1412	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1413	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1501	1-126-012-11	ELECT	470uF	20%	16V
C1502	1-126-022-11	ELECT	47uF	20%	16V
		< CONNECTOR >			
CNP10	1-784-926-11	PIN, CONNECTOR 11P			
CNP11	1-779-978-11	PIN, CONNECTOR 3P			
CNP12	1-784-923-11	PIN, CONNECTOR 7P			
CNP14	1-779-977-11	PIN, CONNECTOR 6P			
CNP15	1-564-510-11	PLUG, CONNECTOR 7P			
CNS10	1-784-782-11	CONNECTOR, FFC 21P			
CNS11	1-784-790-11	CONNECTOR, FFC 29P			
		< DIODE >			
D1101	8-719-016-74	DIODE 1SS352			
D1201	8-719-016-74	DIODE 1SS352			
D1202	8-719-801-78	DIODE 1SS184			
D1203	8-719-801-78	DIODE 1SS184			
D1204	8-719-016-74	DIODE 1SS352			

Ref. No.	Part No.	Description			Remark
D1205	8-719-016-74	DIODE 1SS352			
D1206	8-719-801-78	DIODE 1SS184			
		< GROUND TERMINAL >			
* EB1001	1-537-738-21	TERMINAL, EARTH			
		< FERRITE BEAD >			
FB1101	1-410-397-21	FERRITE BEAD INDUCTOR			
FB1102	1-410-397-21	FERRITE BEAD INDUCTOR			
		< IC >			
IC303	8-759-524-52	IC TC74VHC574FT(EL)			
IC304	8-759-524-52	IC TC74VHC574FT(EL)			
IC1101	8-759-294-79	IC CXD8495AQ			
IC1102	8-759-523-80	IC TC74VHC04FT(EL)			
IC1103	8-759-534-62	IC AK4526			
IC1104	8-759-636-55	IC M5218AFP			
IC1105	8-759-636-55	IC M5218AFP			
IC1106	8-759-636-55	IC M5218AFP			
IC1107	8-759-636-55	IC M5218AFP			
IC1108	8-759-032-01	IC MC74HC00AF			
IC1109	8-759-195-02	IC TC7S86F-TE85L			
IC1154	8-759-636-55	IC M5218AFP			
IC1201	8-759-545-83	IC MB90574PFV-G-146-BND			
IC1202	8-759-523-80	IC TC74VHC04FT(EL)			
IC1301	8-759-538-17	IC CS4926			
IC1302	8-759-553-27	IC MSM531031B-84GS-KR1			
IC1305	8-759-530-30	IC TC74VHCU04FT(EL)			
IC1401	8-752-391-87	IC CXD2712R			
IC1402	8-759-538-16	IC IDT71V016S15PHAU-TL			
IC1403	8-759-524-48	IC TC74VHC393FT(EL)			
IC1501	8-759-231-53	IC TA7805S			
		< TRANSISTOR >			
Q1201	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1202	8-729-027-43	TRANSISTOR DTC114EKA-T146			
Q1203	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1204	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1205	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1206	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1207	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1208	8-729-027-43	TRANSISTOR DTC114EKA-T146			
		< RESISTOR >			
R1101	1-216-025-91	RES,CHIP	100	5%	1/10W
R1102	1-216-025-91	RES,CHIP	100	5%	1/10W
R1103	1-216-025-91	RES,CHIP	100	5%	1/10W
R1104	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1105	1-216-082-00	RES,CHIP	24K	5%	1/10W
R1106	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1107	1-216-066-00	METAL CHIP	5.1K	5%	1/10W
R1108	1-216-029-00	METAL CHIP	150	5%	1/10W
R1109	1-216-104-00	METAL CHIP	200K	5%	1/10W
R1110	1-216-025-91	RES,CHIP	100	5%	1/10W
R1111	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1112	1-216-025-91	RES,CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1113	1-216-025-91	RES,CHIP	100	5%	1/10W
R1114	1-216-025-91	RES,CHIP	100	5%	1/10W
R1115	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1116	1-216-025-91	RES,CHIP	100	5%	1/10W
R1117	1-216-025-91	RES,CHIP	100	5%	1/10W
R1118	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1119	1-216-025-91	RES,CHIP	100	5%	1/10W
R1120	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1121	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1122	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1123	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1124	1-216-037-00	METAL CHIP	330	5%	1/10W
R1125	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1126	1-216-037-00	METAL CHIP	330	5%	1/10W
R1127	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1128	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1129	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1130	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1131	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1132	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1133	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1134	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1135	1-216-025-91	RES,CHIP	100	5%	1/10W
R1136	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1137	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1138	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1139	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1140	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1141	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1142	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1143	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1144	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1145	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1146	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1147	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1148	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1149	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1150	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1151	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1152	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1153	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1154	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1155	1-216-295-91	SHORT	0		
R1156	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1157	1-216-295-91	SHORT	0		
R1158	1-216-025-91	RES,CHIP	100	5%	1/10W
R1159	1-216-025-91	RES,CHIP	100	5%	1/10W
R1160	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1161	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1162	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1163	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1164	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1165	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1166	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1170	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1171	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1172	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1173	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1174	1-216-037-00	METAL CHIP	330	5%	1/10W
R1175	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1176	1-216-037-00	METAL CHIP	330	5%	1/10W
R1177	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1178	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1179	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1180	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1201	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1202	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1203	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1204	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1205	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1206	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1207	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1208	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1209	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1210	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1211	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1212	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1213	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1214	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1215	1-216-025-91	RES,CHIP	100	5%	1/10W
R1216	1-216-025-91	RES,CHIP	100	5%	1/10W
R1217	1-216-025-91	RES,CHIP	100	5%	1/10W
R1218	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1219	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1220	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1221	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1222	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1223	1-216-104-00	METAL CHIP	200K	5%	1/10W
R1224	1-216-295-91	SHORT	0		
R1225	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R1226	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R1227	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1228	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1229	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1230	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1231	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1232	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1233	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1234	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1235	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1236	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1237	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1238	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1239	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1240	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1241	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1242	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1243	1-216-025-91	RES,CHIP	100	5%	1/10W
R1244	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1245	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1246	1-216-025-91	RES,CHIP	100	5%	1/10W
R1247	1-216-025-91	RES,CHIP	100	5%	1/10W
R1248	1-216-065-91	RES,CHIP	4.7K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1249	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1250	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1251	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1252	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1253	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1254	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1255	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1256	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1257	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1258	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1259	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1260	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1261	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1262	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1263	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1264	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1265	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1266	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1267	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1268	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1269	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1270	1-216-025-91	RES,CHIP	100	5%	1/10W
R1271	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1272	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1273	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1274	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1275	1-216-025-91	RES,CHIP	100	5%	1/10W
R1276	1-216-025-91	RES,CHIP	100	5%	1/10W
R1277	1-216-025-91	RES,CHIP	100	5%	1/10W
R1278	1-216-025-91	RES,CHIP	100	5%	1/10W
R1279	1-216-025-91	RES,CHIP	100	5%	1/10W
R1280	1-216-025-91	RES,CHIP	100	5%	1/10W
R1281	1-216-295-91	SHORT	0		
R1284	1-216-295-91	SHORT	0		
R1285	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1286	1-216-028-00	METAL CHIP	130	5%	1/10W
R1287	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1301	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1302	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1303	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1304	1-216-025-91	RES,CHIP	100	5%	1/10W
R1305	1-216-025-91	RES,CHIP	100	5%	1/10W
R1306	1-216-041-00	METAL CHIP	470	5%	1/10W
R1307	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1308	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1309	1-216-025-91	RES,CHIP	100	5%	1/10W
R1310	1-216-121-91	RES,CHIP	1M	5%	1/10W
R1311	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1312	1-216-025-91	RES,CHIP	100	5%	1/10W
R1313	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1314	1-216-295-91	SHORT	0		
R1315	1-216-295-91	SHORT	0		
R1316	1-216-295-91	SHORT	0		
R1317	1-216-295-91	SHORT	0		
R1318	1-216-295-91	SHORT	0		
⚠R1319	1-215-884-11	METAL OXIDE	47	5%	2W F
R1320	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1321	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1322	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1323	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1324	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1325	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1326	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1327	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1328	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1329	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1330	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R1401	1-216-025-91	RES,CHIP	100	5%	1/10W
R1402	1-216-025-91	RES,CHIP	100	5%	1/10W
R1403	1-216-025-91	RES,CHIP	100	5%	1/10W
R1404	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1405	1-216-025-91	RES,CHIP	100	5%	1/10W
R1406	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1407	1-216-295-91	SHORT	0		
R1408	1-216-025-91	RES,CHIP	100	5%	1/10W
R1409	1-216-025-91	RES,CHIP	100	5%	1/10W
R1410	1-216-295-91	SHORT	0		

< VIBRATOR >

Ref. No.	Part No.	Description
X1101	1-567-970-11	VIBRATOR, CRYSTAL (24.576MHz)
X1201	1-577-082-11	VIBRATOR, CERAMIC (4MHz)
X1301	1-767-949-21	VIBRATOR, CERAMIC (49.152MHz)

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Ref. No.	Part No.	Description
*	A-4414-097-A	DISPLAY BOARD, COMPLETE

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Ref. No.	Part No.	Description
*	4-921-941-01	CUSHION (FL)
*	4-990-797-01	HOLDER (FL)

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C101	1-126-786-11	ELECT	47uF	20%	16V
C102	1-162-306-11	CERAMIC	0.01uF	20%	16V
C103	1-162-306-11	CERAMIC	0.01uF	20%	16V
C104	1-126-795-11	ELECT	10uF	20%	50V
C105	1-104-905-11	CAPACITOR	0.22F		5.5V
C106	1-164-159-11	CERAMIC	0.1uF		50V
C107	1-164-159-11	CERAMIC	0.1uF		50V
C108	1-164-159-11	CERAMIC	0.1uF		50V
C109	1-164-159-11	CERAMIC	0.1uF		50V
C110	1-164-159-11	CERAMIC	0.1uF		50V
C111	1-164-159-11	CERAMIC	0.1uF		50V
C112	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-164-159-11	CERAMIC	0.1uF		50V
C117	1-164-159-11	CERAMIC	0.1uF		50V
C119	1-126-786-11	ELECT	47uF	20%	16V
C121	1-126-786-11	ELECT	47uF	20%	16V
C123	1-164-159-11	CERAMIC	0.1uF		50V
C124	1-162-294-11	CERAMIC	1000PF	10%	50V
C180	1-164-159-11	CERAMIC	0.1uF		50V
C181	1-136-177-00	CERAMIC	0.1uF	5%	50V
C182	1-164-159-11	CERAMIC	0.1uF		50V
C183	1-126-916-11	ELECT	1000uF	20%	6.3V
C184	1-126-795-11	ELECT	10uF	20%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
C185	1-162-306-11	CERAMIC	0.01uF	20%	16V
C186	1-162-306-11	CERAMIC	0.01uF	20%	16V
C191	1-164-159-11	CERAMIC	0.1uF		50V
C192	1-107-818-11	ELECT	1uF		5.5V
		< CONNECTOR >			
CNP105	1-564-510-11	PLUG, CONNECTOR 7P			
CNP109	1-784-919-11	CONNECTOR, PC BOARD (PLUG) 5P			
CNP110	1-784-919-11	CONNECTOR, PC BOARD (PLUG) 5P			
CNS102	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
CNS103	1-784-772-11	CONNECTOR, FFC 11P			
CNS104	1-784-743-11	CONNECTOR, FFC 21P			
CNS107	1-770-397-11	HOUSING, CONNECTOR(PC BOARD)4P			
CNS108	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P			
		< DIODE >			
D102	8-719-024-99	DIODE 11ES2-NTA2B			
D103	8-719-911-19	DIODE 1SS119			
D108	8-719-046-39	DIODE SEL5821A-TH15 (SOUND FIELD)			
D109	8-719-313-45	DIODE SEL6810A-TH10 (VIDEO1)			
D110	8-719-313-45	DIODE SEL6810A-TH10 (VIDEO2)			
D111	8-719-313-45	DIODE SEL6810A-TH10 (VIDEO3)			
D112	8-719-313-45	DIODE SEL6810A-TH10 (DVD)			
D113	8-719-313-45	DIODE SEL6810A-TH10 (TV/LD)			
D114	8-719-313-45	DIODE SEL6810A-TH10 (TAPE)			
D115	8-719-313-45	DIODE SEL6810A-TH10 (MD/DAT)			
D116	8-719-313-45	DIODE SEL6810A-TH10 (CD)			
D117	8-719-313-45	DIODE SEL6810A-TH10 (TUNER)			
D118	8-719-313-45	DIODE SEL6810A-TH10 (PHONO)			
D119	8-719-046-39	DIODE SEL5821A-TH15 (BASS BOOST)			
D122	8-719-046-39	DIODE SEL5821A-TH15 (EQ)			
D180	8-719-911-19	DIODE 1SS119			
D181	8-719-911-19	DIODE 1SS119			
D182	8-719-911-19	DIODE 1SS119			
D183	8-719-911-19	DIODE 1SS119			
D184	8-719-059-14	DIODE SID313BP-TP19			
D185	8-719-059-14	DIODE SID313BP-TP19			
D186	8-719-059-14	DIODE SID313BP-TP19			
		< FLUORESCENT INDICATOR >			
FL101	1-517-781-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC101	8-759-459-83	IC NJL55H400A			
IC102	8-759-535-50	IC MB90553PF-G-121-BND			
IC103	8-759-962-08	IC BA6208			
IC104	8-759-463-11	IC MSC1162AGS-BK			
IC105	8-759-389-51	IC MSC1164GS-KR1			
IC180	8-759-927-72	IC TL1591CP			
IC181	8-759-545-07	IC TMP87C447U-4A06			
		< COIL >			
L101	1-410-509-11	INDUCTOR 10uH			
L150	1-408-080-00	INDUCTOR 100uH			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q101	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q102	8-729-900-36	TRANSISTOR DTC124ES			
Q103	8-729-900-36	TRANSISTOR DTC124ES			
Q104	8-729-900-36	TRANSISTOR DTC124ES			
Q105	8-729-900-36	TRANSISTOR DTC124ES			
Q106	8-729-900-36	TRANSISTOR DTC124ES			
Q107	8-729-900-36	TRANSISTOR DTC124ES			
Q108	8-729-900-36	TRANSISTOR DTC124ES			
Q109	8-729-900-36	TRANSISTOR DTC124ES			
Q110	8-729-900-36	TRANSISTOR DTC124ES			
Q111	8-729-900-36	TRANSISTOR DTC124ES			
Q112	8-729-900-36	TRANSISTOR DTC124ES			
Q113	8-729-900-36	TRANSISTOR DTC124ES			
Q114	8-729-900-36	TRANSISTOR DTC124ES			
Q115	8-729-900-36	TRANSISTOR DTC124ES			
Q116	8-729-900-36	TRANSISTOR DTC124ES			
Q117	8-729-900-36	TRANSISTOR DTC124ES			
Q118	8-729-900-36	TRANSISTOR DTC124ES			
Q119	8-729-900-36	TRANSISTOR DTC124ES			
Q120	8-729-900-36	TRANSISTOR DTC124ES			
Q122	8-729-900-36	TRANSISTOR DTC124ES			
Q180	8-729-620-05	TRANSISTOR 2SC2603-EF			
Q181	8-729-900-36	TRANSISTOR DTC124ES			
Q182	8-729-620-05	TRANSISTOR 2SC2603-EF			
Q184	8-729-801-93	TRANSISTOR 2SD1387			
Q185	8-729-801-93	TRANSISTOR 2SD1387			
		< RESISTOR >			
R103	1-249-437-11	CARBON	47K	5%	1/4W
R104	1-249-429-11	CARBON	10K	5%	1/4W
R105	1-249-393-11	CARBON	10	5%	1/4W F
R106	1-249-437-11	CARBON	47K	5%	1/4W
R107	1-249-433-11	CARBON	22K	5%	1/4W
R108	1-249-441-11	CARBON	100K	5%	1/4W
R109	1-249-441-11	CARBON	100K	5%	1/4W
R111	1-247-772-00	CARBON	3.6	5%	1/4W
R114	1-249-419-11	CARBON	1.5K	5%	1/4W F
R115	1-249-385-11	CARBON	2.2	5%	1/6W F
R116	1-249-429-11	CARBON	10K	5%	1/4W
R117	1-249-433-11	CARBON	22K	5%	1/4W
R118	1-249-433-11	CARBON	22K	5%	1/4W
R119	1-249-417-11	CARBON	1K	5%	1/4W F
R120	1-249-417-11	CARBON	1K	5%	1/4W F
R121	1-249-417-11	CARBON	1K	5%	1/4W F
R122	1-249-429-11	CARBON	10K	5%	1/4W
R123	1-249-417-11	CARBON	1K	5%	1/4W F
R125	1-249-425-11	CARBON	4.7K	5%	1/4W F
R126	1-249-425-11	CARBON	4.7K	5%	1/4W F
R127	1-249-425-11	CARBON	4.7K	5%	1/4W F
R128	1-249-425-11	CARBON	4.7K	5%	1/4W F
R129	1-249-417-11	CARBON	1K	5%	1/4W F
R130	1-249-425-11	CARBON	4.7K	5%	1/4W F
R131	1-249-425-11	CARBON	4.7K	5%	1/4W F
R132	1-249-425-11	CARBON	4.7K	5%	1/4W F
R133	1-249-411-11	CARBON	330	5%	1/4W

Ref. No.	Part No.	Description			Remark
R134	1-249-411-11	CARBON	330	5%	1/4W
R135	1-249-411-11	CARBON	330	5%	1/4W
R161	1-249-385-11	CARBON	2.2	5%	1/6W F
R162	1-249-421-11	CARBON	2.2K	5%	1/4W F
R163	1-249-421-11	CARBON	2.2K	5%	1/4W F
R164	1-249-411-11	CARBON	330	5%	1/4W
R165	1-249-429-11	CARBON	10K	5%	1/4W
R179	1-249-411-11	CARBON	330	5%	1/4W
R180	1-249-393-11	CARBON	10	5%	1/4W F
R181	1-249-429-11	CARBON	10K	5%	1/4W
R182	1-249-425-11	CARBON	4.7K	5%	1/4W F
R183	1-249-429-11	CARBON	10K	5%	1/4W
R184	1-249-429-11	CARBON	10K	5%	1/4W
R185	1-249-425-11	CARBON	4.7K	5%	1/4W F
R186	1-249-429-11	CARBON	10K	5%	1/4W
R187	1-249-417-11	CARBON	1K	5%	1/4W F
R188	1-249-429-11	CARBON	10K	5%	1/4W
R189	1-247-772-00	CARBON	3.6	5%	1/4W
R190	1-249-441-11	CARBON	100K	5%	1/4W
R191	1-247-807-31	CARBON	100	5%	1/4W
R192	1-249-383-11	CARBON	1.5	5%	1/6W F
R193	1-247-807-31	CARBON	100	5%	1/4W
R194	1-247-807-31	CARBON	100	5%	1/4W
R195	1-247-807-31	CARBON	100	5%	1/4W
R196	1-247-807-31	CARBON	100	5%	1/4W
R197	1-249-441-11	CARBON	100K	5%	1/4W
R198	1-249-429-11	CARBON	10K	5%	1/4W
R199	1-249-429-11	CARBON	10K	5%	1/4W
RR24	1-249-429-11	CARBON	10K	5%	1/4W
		< VIBRATOR >			
X101	1-577-082-11	VIBRATOR, CERAMIC (4MHz)			
X180	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)			

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Ref. No.	Part No.	Description			Remark
*	1-670-021-11	F-VIDEO BOARD *************			
		< CAPACITOR >			
C299	1-164-159-11	CERAMIC	0.1uF		50V
CC14	1-162-282-31	CERAMIC	100PF	10%	50V
CC64	1-162-282-31	CERAMIC	100PF	10%	50V
		< CONNECTOR >			
CNP307	1-564-723-11	PIN, CONNECTOR (SMALL TYPE) 7P			
		< GROUND TERMINAL >			
* EB201	1-537-738-21	TERMINAL, EARTH			
		< JACK >			
J298	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT S-VIDEO)			
J299	1-779-798-11	JACK, PIN (BLOCK) (L TYPE) 3P (VIDEO 3 INPUT AUDIO/VIDEO)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R297	1-247-804-11	CARBON	75	5%	1/4W
R298	1-247-804-11	CARBON	75	5%	1/4W
R299	1-247-804-11	CARBON	75	5%	1/4W
R321	1-249-417-11	CARBON	1K	5%	1/4W F
R371	1-249-417-11	CARBON	1K	5%	1/4W F

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Ref. No.	Part No.	Description			Remark
*	1-670-006-11	H.P BOARD *********			
		< JACK >			
J701	1-568-519-41	JACK, LARGE TYPE (PHONES)			

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Ref. No.	Part No.	Description			Remark
*	A-4414-095-A	INPUT BOARD, COMPLETE *********************			
		< CAPACITOR >			
C301	1-126-045-11	ELECT	2.2uF	20%	50V
C303	1-126-101-11	ELECT	100uF	20%	16V
C304	1-125-896-91	MYLAR	0.0091uF	5%	50V
C305	1-136-159-00	FILM	0.033uF	5%	50V
C306	1-126-045-11	ELECT	2.2uF	20%	50V
C307	1-162-282-31	CERAMIC	100PF	10%	50V
C308	1-162-286-31	CERAMIC	220PF	10%	50V
C310	1-162-294-31	CERAMIC	0.001uF	10%	50V
C311	1-126-233-11	ELECT	22uF	20%	50V
C351	1-126-045-11	ELECT	2.2uF	20%	50V
C353	1-126-101-11	ELECT	100uF	20%	16V
C354	1-125-896-91	MYLAR	0.0091uF	5%	50V
C355	1-136-159-00	FILM	0.033uF	5%	50V
C356	1-126-045-11	ELECT	2.2uF	20%	50V
C357	1-162-282-31	CERAMIC	100PF	10%	50V
C358	1-162-286-31	CERAMIC	220PF	10%	50V
C360	1-162-294-31	CERAMIC	0.001uF	10%	50V
C361	1-126-233-11	ELECT	22uF	20%	50V
C387	1-126-022-11	ELECT	47uF	20%	16V
C388	1-126-052-11	ELECT	100uF	20%	16V
C389	1-126-052-11	ELECT	100uF	20%	16V
C392	1-126-022-11	ELECT	47uF	20%	16V
C393	1-162-294-31	CERAMIC	0.001uF	10%	50V
C394	1-126-022-11	ELECT	47uF	20%	16V
C395	1-162-282-31	CERAMIC	100PF	10%	50V
C396	1-126-022-11	ELECT	47uF	20%	16V
C398	1-162-294-31	CERAMIC	0.001uF	10%	50V
C399	1-162-282-31	CERAMIC	100PF	10%	50V
C401	1-126-233-11	ELECT	22uF	20%	50V
C402	1-126-233-11	ELECT	22uF	20%	50V
C403	1-126-233-11	ELECT	22uF	20%	50V
C404	1-162-199-31	CERAMIC	10PF	5%	50V
C405	1-162-199-31	CERAMIC	10PF	5%	50V
C406	1-162-199-31	CERAMIC	10PF	5%	50V
C407	1-126-233-11	ELECT	22uF	20%	50V
C408	1-126-233-11	ELECT	22uF	20%	50V
C409	1-126-233-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description			Remark
C416	1-126-233-11	ELECT	22uF	20%	50V
C417	1-126-233-11	ELECT	22uF	20%	50V
C418	1-126-233-11	ELECT	22uF	20%	50V
C419	1-162-282-31	CERAMIC	100PF	10%	50V
C451	1-126-233-11	ELECT	22uF	20%	50V
C452	1-126-233-11	ELECT	22uF	20%	50V
C453	1-126-233-11	ELECT	22uF	20%	50V
C454	1-162-199-31	CERAMIC	10PF	5%	50V
C455	1-162-199-31	CERAMIC	10PF	5%	50V
C456	1-162-199-31	CERAMIC	10PF	5%	50V
C457	1-126-233-11	ELECT	22uF	20%	50V
C458	1-126-233-11	ELECT	22uF	20%	50V
C459	1-126-233-11	ELECT	22uF	20%	50V
C466	1-126-233-11	ELECT	22uF	20%	50V
C467	1-126-233-11	ELECT	22uF	20%	50V
C468	1-126-233-11	ELECT	22uF	20%	50V
C491	1-164-159-11	CERAMIC	0.1uF		50V
C496	1-126-052-11	ELECT	100uF	20%	16V
C497	1-126-052-11	ELECT	100uF	20%	16V
C498	1-126-022-11	ELECT	47uF	20%	16V
C499	1-126-022-11	ELECT	47uF	20%	16V
C501	1-126-233-11	ELECT	22uF	20%	50V
C502	1-162-282-31	CERAMIC	100PF	10%	50V
C503	1-102-233-00	CERAMIC	33PF	10%	500V
C504	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C539	1-162-282-31	CERAMIC	100PF	10%	50V
C551	1-126-233-11	ELECT	22uF	20%	50V
C552	1-162-282-31	CERAMIC	100PF	10%	50V
C553	1-102-233-00	CERAMIC	33PF	10%	500V
C554	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C555	1-126-101-11	ELECT	100uF	20%	16V
C580	1-162-282-31	CERAMIC	100PF	10%	50V
C589	1-162-282-31	CERAMIC	100PF	10%	50V
C593	1-126-101-11	ELECT	100uF	20%	16V
C594	1-126-074-91	ELECT	22uF	20%	100V
C595	1-126-074-91	ELECT	22uF	20%	100V
C601	1-126-233-11	ELECT	22uF	20%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-102-233-00	CERAMIC	33PF	10%	500V
C604	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C605	1-126-101-11	ELECT	100uF	20%	16V
C639	1-162-282-31	CERAMIC	100PF	10%	50V
C651	1-126-233-11	ELECT	22uF	20%	50V
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C653	1-102-233-00	CERAMIC	33PF	10%	500V
C654	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C655	1-126-101-11	ELECT	100uF	20%	16V
C689	1-162-282-31	CERAMIC	100PF	10%	50V
C701	1-126-233-11	ELECT	22uF	20%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-102-233-00	CERAMIC	33PF	10%	500V
C704	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C705	1-126-101-11	ELECT	100uF	20%	16V
C739	1-162-282-31	CERAMIC	100PF	10%	50V
C751	1-126-233-11	ELECT	22uF	20%	50V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-102-233-00	CERAMIC	33PF	10%	500V

Ref. No.	Part No.	Description			Remark
C754	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C755	1-126-101-11	ELECT	100uF	20%	16V
C780	1-162-282-31	CERAMIC	100PF	10%	50V
C789	1-162-282-31	CERAMIC	100PF	10%	50V
CC04	1-162-282-31	CERAMIC	100PF	10%	50V
CC05	1-162-282-31	CERAMIC	100PF	10%	50V
CC06	1-162-282-31	CERAMIC	100PF	10%	50V
CC07	1-162-282-31	CERAMIC	100PF	10%	50V
CC08	1-162-282-31	CERAMIC	100PF	10%	50V
CC54	1-162-282-31	CERAMIC	100PF	10%	50V
CC55	1-162-282-31	CERAMIC	100PF	10%	50V
CC56	1-162-282-31	CERAMIC	100PF	10%	50V
CC57	1-162-282-31	CERAMIC	100PF	10%	50V
CC58	1-162-282-31	CERAMIC	100PF	10%	50V
		< CONNECTOR >			
CNS301	1-784-768-11	CONNECTOR, FFC 7P			
CNS303	1-779-977-11	PIN, CONNECTOR 6P			
CNS304	1-784-923-11	PIN, CONNECTOR 7P			
CNS305	1-779-978-11	PIN, CONNECTOR 3P			
CNS306	1-784-790-11	CONNECTOR, FFC 29P			
CNS403	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNS404	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNS501	1-784-806-11	HOUSING,CONNECTOR(PC BOARD)13P			
CNS702	1-779-977-11	PIN, CONNECTOR 6P			
		< DIODE >			
D301	8-719-911-19	DIODE 1SS119			
		< IC >			
IC301	8-759-805-14	IC LC7822			
IC302	8-759-636-74	IC M5218AP-22			
IC303	8-759-805-15	IC LC7823			
IC304	8-759-634-50	IC M5218AL			
IC401	8-759-604-40	IC M5F78M15			
IC402	8-759-604-46	IC M5F79M15			
IC403	8-759-604-39	IC M5F78M12			
IC404	8-759-708-05	IC NJM78L05A			
IC405	8-759-634-50	IC M5218AL			
IC406	8-759-634-50	IC M5218AL			
IC407	8-759-634-50	IC M5218AL			
IC414	8-759-534-63	IC TC9299P			
IC415	8-759-534-63	IC TC9299P			
IC416	8-759-534-63	IC TC9299P			
IC501	8-759-326-52	IC uPC2581V			
IC601	8-759-326-52	IC uPC2581V			
IC701	8-759-326-52	IC uPC2581V			
		< JACK >			
J301	1-784-429-11	JACK, PIN 4P (PHONO IN/CD IN)			
J302	1-784-429-11	JACK, PIN 4P (MD/DAT REC OUT/IN)			
J303	1-784-429-11	JACK, PIN 4P (TAPE REC OUT/IN)			
		< TRANSISTOR >			
Q301	8-729-119-79	TRANSISTOR 2SC2785-FEK			

INPUT

Ref. No.	Part No.	Description			Remark
Q302	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q303	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q304	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q352	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q353	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q354	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q501	8-729-900-36	TRANSISTOR	DTC124ES		
Q503	8-729-900-63	TRANSISTOR	DTA124ES		
		< RESISTOR >			
R301	1-249-401-11	CARBON	47	5%	1/4W F
R302	1-249-441-11	CARBON	100K	5%	1/4W
R303	1-249-440-11	CARBON	82K	5%	1/4W
R304	1-249-408-11	CARBON	180	5%	1/4W F
R305	1-249-428-11	CARBON	8.2K	5%	1/4W F
R306	1-249-441-11	CARBON	100K	5%	1/4W
R307	1-247-807-31	CARBON	100	5%	1/4W
R308	1-249-441-11	CARBON	100K	5%	1/4W
R309	1-249-413-11	CARBON	470	5%	1/4W F
R310	1-249-417-11	CARBON	1K	5%	1/4W F
R311	1-249-417-11	CARBON	1K	5%	1/4W F
R312	1-249-417-11	CARBON	1K	5%	1/4W F
R313	1-249-417-11	CARBON	1K	5%	1/4W F
R314	1-249-417-11	CARBON	1K	5%	1/4W F
R315	1-249-437-11	CARBON	47K	5%	1/4W
R331	1-249-441-11	CARBON	100K	5%	1/4W
R335	1-249-437-11	CARBON	47K	5%	1/4W
R336	1-249-425-11	CARBON	4.7K	5%	1/4W F
R337	1-249-441-11	CARBON	100K	5%	1/4W
R338	1-249-417-11	CARBON	1K	5%	1/4W F
R339	1-249-417-11	CARBON	1K	5%	1/4W F
R340	1-249-417-11	CARBON	1K	5%	1/4W F
R341	1-249-417-11	CARBON	1K	5%	1/4W F
R342	1-249-417-11	CARBON	1K	5%	1/4W F
R343	1-249-417-11	CARBON	1K	5%	1/4W F
R344	1-247-807-31	CARBON	100	5%	1/4W
R345	1-247-807-31	CARBON	100	5%	1/4W
R346	1-249-397-11	CARBON	22	5%	1/4W F
R347	1-249-397-11	CARBON	22	5%	1/4W F
R351	1-249-401-11	CARBON	47	5%	1/4W F
R352	1-249-441-11	CARBON	100K	5%	1/4W
R353	1-249-440-11	CARBON	82K	5%	1/4W
R354	1-249-408-11	CARBON	180	5%	1/4W F
R355	1-249-428-11	CARBON	8.2K	5%	1/4W F
R356	1-249-441-11	CARBON	100K	5%	1/4W
R357	1-247-807-31	CARBON	100	5%	1/4W
R358	1-249-441-11	CARBON	100K	5%	1/4W
R359	1-249-413-11	CARBON	470	5%	1/4W F
R360	1-249-417-11	CARBON	1K	5%	1/4W F
R361	1-249-417-11	CARBON	1K	5%	1/4W F
R362	1-249-417-11	CARBON	1K	5%	1/4W F
R363	1-249-417-11	CARBON	1K	5%	1/4W F
R364	1-249-417-11	CARBON	1K	5%	1/4W F
R365	1-249-437-11	CARBON	47K	5%	1/4W
R381	1-249-441-11	CARBON	100K	5%	1/4W
R385	1-249-437-11	CARBON	47K	5%	1/4W
R387	1-249-410-11	CARBON	270	5%	1/4W F
R388	1-249-417-11	CARBON	1K	5%	1/4W F
R389	1-249-417-11	CARBON	1K	5%	1/4W F
R390	1-249-417-11	CARBON	1K	5%	1/4W F
R391	1-249-417-11	CARBON	1K	5%	1/4W F
R392	1-249-417-11	CARBON	1K	5%	1/4W F
R393	1-249-417-11	CARBON	1K	5%	1/4W F
R394	1-249-417-11	CARBON	1K	5%	1/4W F
R395	1-249-397-11	CARBON	22	5%	1/4W F
R396	1-249-417-11	CARBON	1K	5%	1/4W F
R397	1-249-425-11	CARBON	4.7K	5%	1/4W F
R398	1-249-397-11	CARBON	22	5%	1/4W F
R399	1-249-425-11	CARBON	4.7K	5%	1/4W F
R401	1-249-441-11	CARBON	100K	5%	1/4W
R402	1-249-441-11	CARBON	100K	5%	1/4W
R403	1-249-441-11	CARBON	100K	5%	1/4W
R404	1-249-431-11	CARBON	15K	5%	1/4W
R405	1-249-431-11	CARBON	15K	5%	1/4W
R406	1-249-431-11	CARBON	15K	5%	1/4W
R407	1-249-437-11	CARBON	47K	5%	1/4W
R408	1-249-437-11	CARBON	47K	5%	1/4W
R409	1-249-437-11	CARBON	47K	5%	1/4W
R451	1-249-441-11	CARBON	100K	5%	1/4W
R452	1-249-441-11	CARBON	100K	5%	1/4W
R453	1-249-441-11	CARBON	100K	5%	1/4W
R454	1-249-431-11	CARBON	15K	5%	1/4W
R455	1-249-431-11	CARBON	15K	5%	1/4W
R456	1-249-434-11	CARBON	27K	5%	1/4W
R457	1-249-437-11	CARBON	47K	5%	1/4W
R458	1-249-437-11	CARBON	47K	5%	1/4W
R459	1-249-437-11	CARBON	47K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W F
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-439-11	CARBON	68K	5%	1/4W
R504	1-247-843-11	CARBON	3.3K	5%	1/4W
R551	1-249-417-11	CARBON	1K	5%	1/4W F
R552	1-249-439-11	CARBON	68K	5%	1/4W
R553	1-249-439-11	CARBON	68K	5%	1/4W
R554	1-247-843-11	CARBON	3.3K	5%	1/4W
R590	1-249-433-11	CARBON	22K	5%	1/4W
⚠R592	1-249-381-11	CARBON	1	5%	1/4W F
⚠R593	1-249-381-11	CARBON	1	5%	1/4W F
R594	1-249-425-11	CARBON	4.7K	5%	1/4W F
R601	1-249-417-11	CARBON	1K	5%	1/4W F
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-439-11	CARBON	68K	5%	1/4W
R604	1-247-843-11	CARBON	3.3K	5%	1/4W
R651	1-249-417-11	CARBON	1K	5%	1/4W F
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-439-11	CARBON	68K	5%	1/4W
R654	1-247-843-11	CARBON	3.3K	5%	1/4W
R655	1-249-409-11	CARBON	220	5%	1/4W F
R656	1-249-409-11	CARBON	220	5%	1/4W F
R690	1-249-433-11	CARBON	22K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W F
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-439-11	CARBON	68K	5%	1/4W
R704	1-247-843-11	CARBON	3.3K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark	
R751	1-249-417-11	CARBON	1K	5%	1/4W	F
R752	1-249-439-11	CARBON	68K	5%	1/4W	
R753	1-249-439-11	CARBON	68K	5%	1/4W	
R754	1-247-843-11	CARBON	3.3K	5%	1/4W	
R790	1-249-433-11	CARBON	22K	5%	1/4W	
		< RELAY >				
RY301	1-515-614-11	RELAY				

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Ref. No.	Part No.	Description			Remark	
*	1-670-032-11	JOINT BOARD ***********				
		< CONNECTOR >				
CNP501	1-784-807-11	CONNECTOR, BOARD TO BOARD 13P				
CNP651	1-784-807-11	CONNECTOR, BOARD TO BOARD 13P				

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Ref. No.	Part No.	Description			Remark	
*	1-670-024-11	LED BOARD *********				
		< DIODE >				
D100	8-719-070-83	DIODE SELU5E20C-TP15 (MULTI CHANNEL DECODING)				

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Ref. No.	Part No.	Description			Remark	
*	A-4414-112-A	REAR AMP BOARD, COMPLETE ************************				
		< CAPACITOR >				
C720	1-126-022-11	ELECT	47uF	20%	16V	
C721	1-107-597-11	CERAMIC	22PF	10%	500V	
C722	1-107-597-11	CERAMIC	22PF	10%	500V	
C723	1-162-286-31	CERAMIC	220PF	10%	50V	
C725	1-136-157-00	FILM	0.022uF	5%	50V	
C770	1-126-022-11	ELECT	47uF	20%	16V	
C771	1-107-597-11	CERAMIC	22PF	10%	500V	
C772	1-107-597-11	CERAMIC	22PF	10%	500V	
C773	1-162-286-31	CERAMIC	220PF	10%	50V	
C775	1-136-157-00	FILM	0.022uF	5%	50V	
		< CONNECTOR >				
* CNP701	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P				
CNP711	1-779-977-11	PIN, CONNECTOR 6P				
* CNP712	1-564-242-00	PIN, CONNECTOR 5P				
CNP713	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				
		< DIODE >				
D701	8-719-911-19	DIODE 1SS119				
D702	8-719-109-51	DIODE RD2.0ES-B2				
D703	8-719-109-51	DIODE RD2.0ES-B2				
D704	8-719-911-19	DIODE 1SS119				
D751	8-719-911-19	DIODE 1SS119				
D752	8-719-109-51	DIODE RD2.0ES-B2				
D753	8-719-109-51	DIODE RD2.0ES-B2				
D754	8-719-911-19	DIODE 1SS119				
		< TRANSISTOR >				
Q704	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q708	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
Q754	8-729-119-76	TRANSISTOR 2SA1175-HFE				
Q758	8-729-140-82	TRANSISTOR 2SA988-PAFAEA				
		< RESISTOR >				
R702	1-247-881-00	CARBON	120K	5%	1/4W	
R721	1-249-433-11	CARBON	22K	5%	1/4W	
R722	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R723	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R724	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R725	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R726	1-233-352-41	ENCAPSULATED	COMPONENT			
R727	1-247-850-11	CARBON	6.2K	5%	1/4W	
R728	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R732	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R733	1-249-393-11	CARBON	10	5%	1/4W	F
R752	1-247-881-00	CARBON	120K	5%	1/4W	
R771	1-249-433-11	CARBON	22K	5%	1/4W	
R772	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R773	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R774	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R775	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R776	1-233-352-41	ENCAPSULATED	COMPONENT			
R777	1-247-850-11	CARBON	6.2K	5%	1/4W	
R778	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R782	1-249-437-11	CARBON	47K	5%	1/4W	
⚠R783	1-249-393-11	CARBON	10	5%	1/4W	F

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Ref. No.	Part No.	Description			Remark	
*	A-4414-109-A	REG BOARD, COMPLETE *******************				
	7-685-872-09	SCREW +BVTT 3X8 (S)				
		< CAPACITOR >				
C819	1-136-165-00	FILM	0.1uF	5%	50V	
C820	1-136-165-00	FILM	0.1uF	5%	50V	
C821	1-136-165-00	FILM	0.1uF	5%	50V	
C822	1-136-165-00	FILM	0.1uF	5%	50V	
C823	1-136-165-00	FILM	0.1uF	5%	50V	
C824	1-126-937-11	ELECT	4700uF	20%	16V	
C825	1-126-935-11	ELECT	470uF	20%	16V	
C826	1-126-935-11	ELECT	470uF	20%	16V	
C827	1-126-935-11	ELECT	470uF	20%	16V	
C901	1-164-097-11	CERAMIC	0.022uF		50V	
C902	1-164-097-11	CERAMIC	0.022uF		50V	
C903	1-126-768-11	ELECT	2200uF	20%	16V	
C904	1-126-960-11	ELECT	1uF	20%	50V	
C905	1-126-959-11	ELECT	0.47uF	20%	50V	
C906	1-124-464-11	ELECT	0.22uF	20%	50V	
C911	1-164-159-11	CERAMIC	0.1uF		50V	
C914	1-164-159-11	CERAMIC	0.1uF		50V	
C916	1-164-159-11	CERAMIC	0.1uF		50V	
C917	1-164-159-11	CERAMIC	0.1uF		50V	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CNP803	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
CNP809	1-779-977-11	PIN, CONNECTOR 6P			
		< DIODE >			
D808	8-719-025-03	DIODE RBA-402-SL			
D901	8-719-024-99	DIODE 11ES2-NTA2B			
D902	8-719-024-99	DIODE 11ES2-NTA2B			
D903	8-719-024-99	DIODE 11ES2-NTA2B			
D904	8-719-024-99	DIODE 11ES2-NTA2B			
D905	8-719-911-19	DIODE 1SS119			
D906	8-719-911-19	DIODE 1SS119			
		< GROUND TERMINAL >			
* EB900	1-537-738-21	TERMINAL, EARTH			
		< FUSE >			
⚠F805	1-532-504-51	FUSE, TIME-LAG (4A/250V)			
		< FUSE HOLDER >			
FH805	1-533-399-31	HOLDER, FUSE			
FH855	1-533-399-31	HOLDER, FUSE			
		< IC >			
IC801	8-759-231-53	IC TA7805S			
IC802	8-759-445-59	IC BA033T			
IC803	8-759-445-59	IC BA033T			
IC901	8-759-333-83	IC NJM2103D			
		< TRANSISTOR >			
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q902	8-729-026-68	TRANSISTOR 2SD2525(TP)			
		< RESISTOR >			
R902	1-249-429-11	CARBON	10K	5%	1/4W
R903	1-249-425-11	CARBON	4.7K	5%	1/4W F
R904	1-249-417-11	CARBON	1K	5%	1/4W F
R905	1-249-428-11	CARBON	8.2K	5%	1/4W F
R906	1-249-421-11	CARBON	2.2K	5%	1/4W F
R908	1-249-433-11	CARBON	22K	5%	1/4W
R909	1-249-439-11	CARBON	68K	5%	1/4W
R910	1-249-437-11	CARBON	47K	5%	1/4W
R912	1-249-430-11	CARBON	12K	5%	1/4W

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Ref. No.	Part No.	Description			Remark
*	1-670-023-11	ROTARY BOARD ************			
		< CONNECTOR >			
CNS101	1-770-404-11	HOUSING,CONNECTOR(PC BOARD)11P			
		< DIODE >			
D101	8-719-313-45	DIODE SEL6810A-TH10			
		< RESISTOR >			
R101	1-249-411-11	CARBON	330	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
		< VARIABLE RESISTOR >			
RV101	1-467-808-11	ENCODER, ROTARY (FUNCTION)			
		< SWITCH >			
S101	1-762-751-11	SWITCH, TACTILE (MODE)			
S102	1-762-751-11	SWITCH, TACTILE (MUTING)			

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Ref. No.	Part No.	Description			Remark
*	1-670-004-11	S-VIDEO BOARD *************			
		< CAPACITOR >			
C251	1-136-165-00	FILM	0.1uF	5%	50V
C252	1-136-165-00	FILM	0.1uF	5%	50V
C253	1-126-964-11	ELECT	10uF	20%	50V
C254	1-136-165-00	FILM	0.1uF	5%	50V
C255	1-136-165-00	FILM	0.1uF	5%	50V
C256	1-126-964-11	ELECT	10uF	20%	50V
C257	1-136-165-00	FILM	0.1uF	5%	50V
C258	1-126-964-11	ELECT	10uF	20%	50V
C259	1-126-964-11	ELECT	10uF	20%	50V
C260	1-136-165-00	FILM	0.1uF	5%	50V
C261	1-104-664-11	ELECT	47uF	20%	16V
C262	1-164-159-11	CERAMIC	0.1uF		50V
C263	1-164-159-11	CERAMIC	0.1uF		50V
C264	1-104-664-11	ELECT	47uF	20%	16V
C265	1-164-159-11	CERAMIC	0.1uF		50V
C266	1-164-159-11	CERAMIC	0.1uF		50V
C267	1-162-290-31	CERAMIC	470PF	10%	50V
C268	1-162-290-31	CERAMIC	470PF	10%	50V
C269	1-162-290-31	CERAMIC	470PF	10%	50V
C270	1-162-290-31	CERAMIC	470PF	10%	50V
		< CONNECTOR >			
CNS251	1-784-770-11	CONNECTOR, FFC 9P			
		< DIODE >			
D251	8-719-911-19	DIODE 1SS119			
D252	8-719-911-19	DIODE 1SS119			
		< IC >			
IC251	8-759-529-20	IC NJM2296D			
IC252	8-759-529-20	IC NJM2296D			
		< JACK >			
J251	1-537-943-11	TERMINAL, S (MONITOR S-VIDEO OUT)			
J252	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO1 S-VIDEO OUT/VIDEO1 S-VIDEO IN)			
J253	1-764-676-11	CONNECTOR (ROUND TYPE) (TV/LD S-VIDEO IN/DVD S-VIDEO IN)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description				Remark
		< RESISTOR >				
R251	1-247-804-11	CARBON	75	5%	1/4W	
R252	1-249-429-11	CARBON	10K	5%	1/4W	
R253	1-247-804-11	CARBON	75	5%	1/4W	
R254	1-247-804-11	CARBON	75	5%	1/4W	
R255	1-247-804-11	CARBON	75	5%	1/4W	
R256	1-249-429-11	CARBON	10K	5%	1/4W	
R257	1-247-804-11	CARBON	75	5%	1/4W	
R258	1-247-804-11	CARBON	75	5%	1/4W	
R259	1-247-804-11	CARBON	75	5%	1/4W	
R260	1-247-804-11	CARBON	75	5%	1/4W	
R261	1-247-804-11	CARBON	75	5%	1/4W	
R262	1-247-804-11	CARBON	75	5%	1/4W	

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Ref. No.	Part No.	Description				Remark
*	A-4414-113-A	SP-S BOARD, COMPLETE				
		******************				
	7-685-872-09	SCREW +BVTT 3X8 (S)				
		< CAPACITOR >				
C624	1-126-059-11	ELECT	10uF	20%	50V	
C626	1-136-153-00	FILM	0.01uF	5%	50V	
C724	1-126-059-11	ELECT	10uF	20%	50V	
C726	1-136-153-00	FILM	0.01uF	5%	50V	
C794	1-126-059-11	ELECT	10uF	20%	50V	
C795	1-126-941-11	ELECT	470uF	20%	25V	
CC41	1-162-290-31	CERAMIC	470PF	10%	50V	
CC42	1-162-290-31	CERAMIC	470PF	10%	50V	
CC43	1-162-290-31	CERAMIC	470PF	10%	50V	
		< CONNECTOR >				
CNP601	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P				
CNP602	1-784-922-11	PIN, CONNECTOR 5P				
CNP603	1-779-977-11	PIN, CONNECTOR 6P				
		< DIODE >				
D543	8-719-911-19	DIODE 1SS119				
D605	8-719-911-19	DIODE 1SS119				
D606	8-719-911-19	DIODE 1SS119				
D607	8-719-911-19	DIODE 1SS119				
D649	8-719-911-19	DIODE 1SS119				
D705	8-719-911-19	DIODE 1SS119				
D706	8-719-911-19	DIODE 1SS119				
D749	8-719-911-19	DIODE 1SS119				
		< IC >				
IC702	8-759-605-01	IC M5F78M18L				
		< JACK >				
J501	1-770-157-21	JACK, PIN 2P (WOOFER AUDIO OUT)				
		< COIL >				
L601	1-411-906-11	COIL, AIR-CORE				
L701	1-411-906-11	COIL, AIR-CORE				
L751	1-411-906-11	COIL, AIR-CORE				

Ref. No.	Part No.	Description				Remark
		< TRANSISTOR >				
Q544	8-729-119-79	TRANSISTOR 2SC2785-FEK				
Q609	8-729-281-53	TRANSISTOR 2SC1815-GR				
Q610	8-729-900-63	TRANSISTOR DTA124ES				
Q611	8-729-900-63	TRANSISTOR DTA124ES				
Q645	8-729-119-79	TRANSISTOR 2SC2785-FEK				
Q709	8-729-281-53	TRANSISTOR 2SC1815-GR				
Q710	8-729-900-63	TRANSISTOR DTA124ES				
Q745	8-729-119-79	TRANSISTOR 2SC2785-FEK				
Q747	8-729-620-05	TRANSISTOR 2SC2603-EF				
Q748	8-729-030-19	TRANSISTOR 2SB1640				
		< RESISTOR >				
R543	1-249-429-11	CARBON	10K	5%	1/4W	
R544	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R545	1-249-411-11	CARBON	330	5%	1/4W	F
R629	1-247-866-11	CARBON	30K	5%	1/4W	
R630	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R631	1-249-433-11	CARBON	22K	5%	1/4W	
R634	1-249-389-11	CARBON	4.7	5%	1/4W	F
R635	1-249-431-11	CARBON	15K	5%	1/4W	
R636	1-249-433-11	CARBON	22K	5%	1/4W	
R647	1-249-429-11	CARBON	10K	5%	1/4W	
R648	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R649	1-249-407-91	CARBON	150	5%	1/4W	F
R729	1-247-866-11	CARBON	30K	5%	1/4W	
R730	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R731	1-249-433-11	CARBON	22K	5%	1/4W	
R734	1-249-389-11	CARBON	4.7	5%	1/4W	F
R735	1-249-431-11	CARBON	15K	5%	1/4W	
R737	1-249-429-11	CARBON	10K	5%	1/4W	
R738	1-247-887-00	CARBON	220K	5%	1/4W	
R743	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R744	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R745	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R746	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R747	1-249-429-11	CARBON	10K	5%	1/4W	
R748	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R749	1-249-407-91	CARBON	150	5%	1/4W	F
R784	1-249-389-11	CARBON	4.7	5%	1/4W	F
R787	1-249-429-11	CARBON	10K	5%	1/4W	
R788	1-247-887-00	CARBON	220K	5%	1/4W	
		< RELAY >				
RY503	1-515-793-11	RELAY				
RY601	1-515-920-11	RELAY (24V)				
RY701	1-515-920-11	RELAY (24V)				
		< SWITCH >				
S501	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)				
		< TERMINAL >				
TM701	1-694-431-21	TERMINAL BOARD (SP)(SPEAKERS)				

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Ref. No.	Part No.	Description	Remark
*	1-670-018-11	SP SW BOARD	
		***********	
		< CONNECTOR >	
CNS106	1-770-404-11	HOUSING,CONNECTOR(PC BOARD)11P	
		< DIODE >	
D120	8-719-911-19	DIODE 1SS119	
D121	8-719-911-19	DIODE 1SS119	
		< RESISTOR >	
R168	1-249-415-11	CARBON 680 5% 1/4W	F
R169	1-249-417-11	CARBON 1K 5% 1/4W	F
R170	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R172	1-249-421-11	CARBON 2.2K 5% 1/4W	F
		< SWITCH >	
S105	1-762-751-11	SWITCH, TACTILE (SHIFT)	
S131	1-762-751-11	SWITCH, TACTILE (I/⏻)	
S132	1-762-751-11	SWITCH, TACTILE (DISPLAY)	
S133	1-762-751-11	SWITCH, TACTILE (PRESET TUNING +)	
S134	1-762-268-11	SWITCH, ROTARY (SPEAKERS)	
S139	1-762-751-11	SWITCH, TACTILE (FM/AM)	
S146	1-762-751-11	SWITCH, TACTILE (PRESET TUNING -)	

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Ref. No.	Part No.	Description	Remark
*	1-670-017-11	SW BOARD	
		********	
		< CAPACITOR >	
C113	1-164-159-11	CERAMIC 0.1uF 50V	
C114	1-164-159-11	CERAMIC 0.1uF 50V	
C118	1-164-159-11	CERAMIC 0.1uF 50V	
		< DIODE >	
D104	8-719-046-39	DIODE SEL5821A-TH15	
D105	8-719-046-39	DIODE SEL5821A-TH15	
D106	8-719-046-39	DIODE SEL5821A-TH15	
		< RESISTOR >	
R124	1-249-411-11	CARBON 330 5% 1/4W	
R136	1-249-413-11	CARBON 470 5% 1/4W	F
R137	1-249-411-11	CARBON 330 5% 1/4W	
R140	1-249-415-11	CARBON 680 5% 1/4W	F
R144	1-249-417-11	CARBON 1K 5% 1/4W	F
R148	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R152	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R156	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R166	1-249-411-11	CARBON 330 5% 1/4W	
R167	1-249-413-11	CARBON 470 5% 1/4W	F
R173	1-249-421-11	CARBON 2.2K 5% 1/4W	F
R174	1-249-419-11	CARBON 1.5K 5% 1/4W	F
R175	1-249-415-11	CARBON 680 5% 1/4W	F
R176	1-249-413-11	CARBON 470 5% 1/4W	F
R177	1-249-411-11	CARBON 330 5% 1/4W	
R178	1-249-417-11	CARBON 1K 5% 1/4W	F

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
S103	1-762-751-11	SWITCH, TACTILE (INPUT MODE)	
S104	1-762-751-11	SWITCH, TACTILE (RDS-PTY)	
S107	1-762-751-11	SWITCH, TACTILE (5.1 INPUT)	
S108	1-762-751-11	SWITCH, TACTILE (RDS-EON)	
S111	1-762-751-11	SWITCH, TACTILE (EQ ON/OFF)	
S115	1-762-751-11	SWITCH, TACTILE (SOUND FIELD-GENRE)	
S119	1-762-751-11	SWITCH, TACTILE (SOUND FIELD-MODE)	
S123	1-762-751-11	SWITCH, TACTILE (SOUND FIELD-ON/OFF)	
S135	1-762-751-11	SWITCH, TACTILE (<)	
S136	1-762-751-11	SWITCH, TACTILE (∧)	
S137	1-762-751-11	SWITCH, TACTILE (>)	
S140	1-762-751-11	SWITCH, TACTILE (SET UP)	
S141	1-762-751-11	SWITCH, TACTILE (CURSOR MODE)	
S142	1-762-751-11	SWITCH, TACTILE (MEMORY)	
S143	1-762-751-11	SWITCH, TACTILE (FM MODE)	
S144	1-762-751-11	SWITCH, TACTILE (TUNING +)	
S145	1-762-751-11	SWITCH, TACTILE (TUNING -)	
S147	1-762-751-11	SWITCH, TACTILE (∨)	

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Ref. No.	Part No.	Description	Remark
*	1-670-000-11	TUNER BOARD	
		***********	
		< CAPACITOR >	
C1	1-162-207-31	CERAMIC 22PF 5% 50V	
C2	1-126-961-11	ELECT 2.2uF 20% 50V	
C3	1-126-960-11	ELECT 1uF 20% 50V	
C4	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C5	1-162-291-31	CERAMIC 560PF 10% 50V	
C6	1-164-068-11	CERAMIC 82PF 5% 50V	
C7	1-164-062-11	CERAMIC 47PF 5% 50V	
C381	1-164-159-11	CERAMIC 0.1uF 50V	
C382	1-161-494-00	CERAMIC 0.022uF 30% 25V	
		< CONNECTOR >	
CNS304	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P	
CNS305	1-774-289-11	PIN, CONNECTOR (PC BOARD) 15P	
		< IC >	
IC1	8-759-450-86	IC BU1922	
		< COIL >	
L1	1-410-521-11	INDUCTOR 100uH	
		< RESISTOR >	
R1	1-247-807-31	CARBON 100 5% 1/4W	
R2	1-247-807-31	CARBON 100 5% 1/4W	
R3	1-249-385-11	CARBON 2.2 5% 1/6W	F
		< VIBRATOR >	
X1	1-579-900-21	VIBRATOR, CRYSTAL (4.33MHz)	

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Ref. No.	Part No.	Description			Remark
*	1-670-003-11	VIDEO BOARD			
		***********			
		< CAPACITOR >			
C201	1-126-964-11	ELECT	10uF	20%	50V
C202	1-126-964-11	ELECT	10uF	20%	50V
C203	1-126-964-11	ELECT	10uF	20%	50V
C204	1-126-964-11	ELECT	10uF	20%	50V
C205	1-162-215-31	CERAMIC	47PF	5%	50V
C206	1-162-215-31	CERAMIC	47PF	5%	50V
C207	1-162-215-31	CERAMIC	47PF	5%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-164-159-11	CERAMIC	0.1uF		50V
C210	1-164-159-11	CERAMIC	0.1uF		50V
C211	1-164-159-11	CERAMIC	0.1uF		50V
C212	1-164-159-11	CERAMIC	0.1uF		50V
C213	1-126-933-11	ELECT	100uF	20%	16V
C214	1-126-933-11	ELECT	100uF	20%	16V
		< CONNECTOR >			
* CNS210	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CNS211	1-784-733-11	CONNECTOR, FFC 11P			
CNS212	1-784-731-11	CONNECTOR, FFC 9P			
		< DIODE >			
D201	8-719-911-19	DIODE 1SS119			
D202	8-719-911-19	DIODE 1SS119			
		< IC >			
IC201	8-759-529-20	IC NJM2296D			
IC202	8-759-701-65	IC NJM79M05FA			
		< JACK >			
J201	1-766-399-11	JACK, PIN 3P (VIDEO1 VIDEO OUT, VIDEO IN/ MONITOR VIDEO OUT)			
J202	1-766-400-11	JACK, PIN 2P (VIDEO2 VIDEO OUT, VIDEO IN)			
J203	1-766-400-11	JACK, PIN 2P (TV/LD VIDEO IN, DVD VIDEO IN)			
J204	1-563-330-11	JACK (S-LINK CTRL A1)			
		< RESISTOR >			
R201	1-247-804-11	CARBON	75	5%	1/4W
R202	1-247-804-11	CARBON	75	5%	1/4W
R203	1-247-804-11	CARBON	75	5%	1/4W
R204	1-247-804-11	CARBON	75	5%	1/4W
R205	1-247-804-11	CARBON	75	5%	1/4W
R206	1-247-804-11	CARBON	75	5%	1/4W
R207	1-247-804-11	CARBON	75	5%	1/4W

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Ref. No.	Part No.	Description			Remark
*	1-670-019-11	VOLUME BOARD			
		************			
		< CAPACITOR >			
C410	1-126-233-11	ELECT	22uF	20%	50V
C411	1-126-233-11	ELECT	22uF	20%	50V
C412	1-126-233-11	ELECT	22uF	20%	50V
C413	1-162-199-31	CERAMIC	10PF	5%	50V
C414	1-162-199-31	CERAMIC	10PF	5%	50V
C415	1-162-199-31	CERAMIC	10PF	5%	50V
C421	1-162-286-31	CERAMIC	220PF	10%	50V
C422	1-162-286-31	CERAMIC	220PF	10%	50V
C423	1-162-286-31	CERAMIC	220PF	10%	50V
C460	1-126-233-11	ELECT	22uF	20%	50V
C461	1-126-233-11	ELECT	22uF	20%	50V
C462	1-126-233-11	ELECT	22uF	20%	50V
C463	1-162-199-31	CERAMIC	10PF	5%	50V
C464	1-162-199-31	CERAMIC	10PF	5%	50V
C465	1-162-199-31	CERAMIC	10PF	5%	50V
C471	1-162-286-31	CERAMIC	220PF	10%	50V
C472	1-162-286-31	CERAMIC	220PF	10%	50V
C473	1-162-286-31	CERAMIC	220PF	10%	50V
		< CONNECTOR >			
CNP102	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P			
CNP103	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CNS402	1-564-726-11	PIN, CONNECTOR (SMALL TYPE)10P			
		< IC >			
IC408	8-759-634-50	IC M5218AL			
IC409	8-759-634-50	IC M5218AL			
IC410	8-759-634-50	IC M5218AL			
		< RESISTOR >			
R110	1-249-411-11	CARBON	330	5%	1/4W
R413	1-249-437-11	CARBON	47K	5%	1/4W
R414	1-249-437-11	CARBON	47K	5%	1/4W
R415	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-429-11	CARBON	10K	5%	1/4W
R417	1-247-843-11	CARBON	3.3K	5%	1/4W
R418	1-249-437-11	CARBON	47K	5%	1/4W
R419	1-249-437-11	CARBON	47K	5%	1/4W
R420	1-249-437-11	CARBON	47K	5%	1/4W
R421	1-249-437-11	CARBON	47K	5%	1/4W
R463	1-249-437-11	CARBON	47K	5%	1/4W
R464	1-249-437-11	CARBON	47K	5%	1/4W
R465	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-429-11	CARBON	10K	5%	1/4W
R467	1-247-843-11	CARBON	3.3K	5%	1/4W
R468	1-247-843-11	CARBON	3.3K	5%	1/4W
R469	1-249-437-11	CARBON	47K	5%	1/4W
R470	1-249-437-11	CARBON	47K	5%	1/4W
R471	1-249-437-11	CARBON	47K	5%	1/4W
		< VARIABLE RESISTOR >			
RV401	1-225-445-11	RES, VAR, CARBON 100KX6 (MASTER VOLUME)			

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Ref. No.	Part No.	Description			Remark
		MISCELLANEOUS			
		*************			
6	1-769-904-11	WIRE (FLAT TYPE)(9 CORE)			
8	1-693-409-11	TUNER			
⚠14	1-769-744-11	CORD, POWER			
18	1-769-876-11	WIRE (FLAT TYPE)(7 CORE)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
71	1-773-163-11	WIRE (FLAT TYPE)(21 CORE)	
72	1-769-961-11	WIRE (FLAT TYPE)(11 CORE)	
109	1-773-285-11	WIRE (FLAT TYPE)(29 CORE)	
⚠CNJ909	1-526-794-11	OUTLET, AC	
FL101	1-517-781-11	INDICATOR TUBE, FLUORESCENT	
Q505	8-729-209-15	TRANSISTOR 2SD2012	
Q506	8-749-010-25	IC MN2488-OPY-M	
Q507	8-749-010-26	IC MP1620-OPY-M	
Q555	8-729-209-15	TRANSISTOR 2SD2012	
Q556	8-749-010-25	IC MN2488-OPY-M	
Q557	8-749-010-26	IC MP1620-OPY-M	
Q605	8-729-209-15	TRANSISTOR 2SD2012	
Q606	8-749-010-25	IC MN2488-OPY-M	
Q607	8-749-010-26	IC MP1620-OPY-M	
Q705	8-729-209-15	TRANSISTOR 2SD2012	
Q706	8-749-010-25	IC MN2488-OPY-M	
Q707	8-749-010-26	IC MP1620-OPY-M	
Q755	8-729-209-15	TRANSISTOR 2SD2012	
Q756	8-749-010-25	IC MN2488-OPY-M	
Q757	8-749-010-26	IC MP1620-OPY-M	
⚠T901	1-431-889-11	TRANSFORMER, POWER	

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ACCESSORIES & PACKING MATERIALS
****

Ref. No.	Part No.	Description	Remark
	1-475-726-12	REMOTE COMMANDER (RM-LJ301)	
	1-501-374-11	ANTENNA, LOOP	
	3-864-441-11	MANUAL, INSTRUCTION (RM-LJ301)(ENGLISH)	
	3-864-441-21	MANUAL, INSTRUCTION (RM-LJ301) (FRENCH,SPANISH)	
	3-864-441-41	MANUAL, INSTRUCTION (RM-LJ301)(DUTCH, SWEDISH,GERMAN,ITALIAN,PORTUGUESE)	
	3-864-483-71	MANUAL, INSTRUCTION (ENGLISH,FRENCH,DUTCH,SWEDISH)	
	3-864-483-81	MANUAL, INSTRUCTION (GERMAN,SPANISH,ITALIAN,PORTUGUESE)	
	4-210-990-01	LID (RM-LJ301), BATTERY CASE (For RM-LJ301)	
	4-212-261-01	COVER (FRONT)(For RM-LJ301)	

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****
HARDWARE LIST
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Ref. No.	Part No.	Description	Remark
#1	7-685-885-09	SCREW +BVTT 4X16 (S)	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-132-19	SCREW +BTP 2.6X5 TYPE2 N-S	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-922-932-11

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Home A&V Products Company

98G0953-1
Printed in Japan © 1998. 7
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